

“STANDARD SOLUTIONS for everyday requirements, SPECIFIC SOLUTIONS for special requirements”

This is our philosophy here at Opera, because we want every one of our products to deliver top results.

Now and in the future.

Our strengths:

- Easy to use: our products are designed to meet all building industry needs quickly and effortlessly.
- A precise goal. Opera products are focused on a clear mission: to find the right balance between the ideas of designers and the needs of our users.
- Constant technical assistance: thanks to the professionalism and availability of our engineering department, we can guarantee our customers prompt and precise assistance both before and after the sale.
- Certification: the entire range of Opera products is certified as EU-compliant.
- Best price/quality ratio: technologically advanced materials at the right price, so that our solutions are always economically attractive, and that means both in useful life and costs terms.
- Ongoing research and development: over 30 years of non-stop business in the specialist building industry means we can guarantee our customers constantly evolving techniques and a company that always keeps pace with the market.



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Basecem

Special hydraulic binder for controlled shrinkage, medium-fast setting screeds

Form:	grey powder
Packs:	20 kg
Pallet:	1200 kg
Quantities required:	2-3 kg/m ² per cm of thickness

Main features

- Medium-fast setting
- High workability
- High mechanical resistance
- Quick walk-over time
- Controlled shrinkage

Storage

Basecem can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Basecem undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Fields of application

Basecem is suitable for the following:

- medium-fast setting floating or adhesive screeds;
- for screeds which are ready for laying marble, granite, or ceramic tiles after just 24 hours;
- for screeds which are ready for laying parquet and resilient materials after just 10 days;
- for heated screeds (where underfloor heating coils are incorporated into the screed);
- for filling trenches and quickly renewing screeds following maintenance work.

Preparation:

For floating screeds: when making floating screeds, the base must be rigid and not subject to rising damp. Before spreading the **Basecem**, the base must be insulated with a vapour barrier, which is generally made of plastic sheeting. The sheets must overlap by at least 20 cm and the perimeter edges must be turned up at the walls to a height of no less than the thickness of the screed. The barrier is also necessary if there is an existing waterproofing layer, and it has a separating function. Along the outer walls and around any pillars, sheets of compressible material must be added, such as polystyrene, cork etc., which must be as high as the screed is thick and at least 1 cm thick.

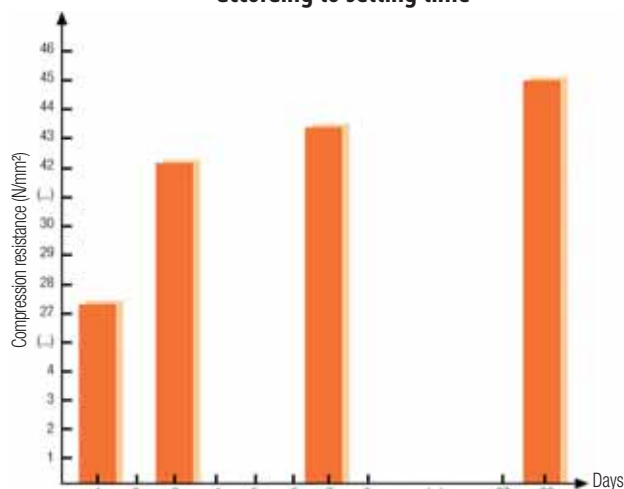
For adhesive screeds: the base must be sound, compact, have no parts coming away, and be free of dust, grease, oil, paint, wax and gypsum. The base must be dry and well set. Along the outer walls and around any pillars, sheets of compressible material must be added, such as polystyrene, cork etc., which must be as high as the screed is thick and at least 1 cm thick.

We recommend you use a mechanical mixer with pump conveying system ("Turbosol") or cement mixer. Mix **Basecem** with the aggregate and clean water until you obtain a paste with an "earth-moist" consistency. Recommended quantities: one 20 kg bag of **Basecem** + approx. 150 kg circa of aggregates (diameter: 0-8 mm) + approx. 5-6 litres of water (the amount of water varies depending on the dampness of the aggregates). Different quantities, including larger amounts of aggregates, can still deliver good setting results, depending on the climate of each location and the season; based on experience, the user should be able to decide on the right amounts. Bear in mind the dampness of loose aggregates and adjust the amount of water to add to the mix accordingly. Make sure the mix always has the so-called 'earth-moist' consistency. These aggregates must have a mixed grain size of between 0 and 8 mm (70 parts sand with 1 to 4 mm grain size and 30 parts gravel with a grain size of 4 to 8 mm). Do not add other hydraulic binders to **Basecem**.

Application:

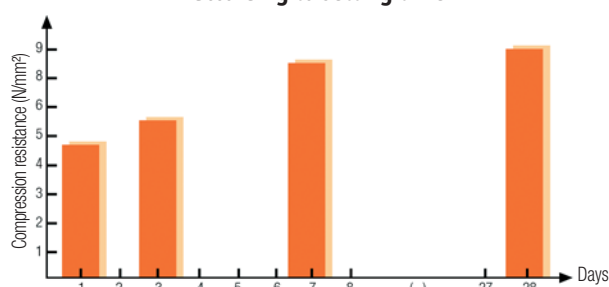
for floating screeds with thicknesses ranging from 3.5 to 6 cm: on the insulation sheets prepared earlier, spread the mix in the same way as you would lay a standard concrete screed, i.e. by compacting the mortar, applying a good amount of pressure during the levelling off and screed board finishing phase. Place lightweight wire fencing in areas where there are pipelines or ducting. The final smoothing can be done with a float or a power trowel. Always remember that the mixture is workable for approx. 90 minutes, and workability cannot be restored by adding water once the mix has started to set. Any breaks in the work should coincide with a door threshold or, if working on large surfaces, a clean cut-off point must be made. Plant iron rods (diameter= approx. 3 mm) at intervals of approximately 20 cm along the screed break. This will guarantee an effective joint with the screed when resuming work.

For adhesive screeds with thicknesses ranging from 1 to 3.5 cm: laying operations are the same as those outlined for floating screeds. In this case, plastic sheeting is not required to separate the layers, but anchor grout is required, which should be mixed as follows: 1 part (weight) **Latex UN**, 1 part water, 2 parts **Basecem**. The grout must be poured and spread, using a trowel, over the surface of the base, immediately prior to compacting the **Basecem** mix (wet on wet). This ensures perfect anchorage between the screed you will be making and the base. Make sure the base is dry and there is no rising damp.

Variations in compression resistance according to setting time


Data item 1 = 1 day - 27.30 N/mm²
 Data item 2 = 3 days - 42.20 N/mm²
 Data item 3 = 7 days - 43.30 N/mm²
 Data item 4 = 28 days - 45.00 N/mm²

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use. Results obtained by mixing 450g Basecem + 175g water + 1350g standard sand.

Variations in bending resistance according to setting time


Data item 1 = 1 day - 4.80 N/mm²
 Data item 2 = 3 days - 5.70 N/mm²
 Data item 3 = 7 days - 8.60 N/mm²
 Data item 4 = 28 days - 9.00 N/mm²

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use. Results obtained by mixing 450g Basecem + 175g water + 1350g standard sand.

Warning

- Do not use on bases subject to rising damp;
- when making floating screeds, the base must always be insulated with a vapour barrier (e.g. plastic sheeting) first;
- If possible, use a pressure pump to mix and convey the mixture;
- the amount of water used is fundamental for the correct outcome of the screed. The mix must always have the so-called 'earth-moist' consistency. Too much or too little water will prevent the mix setting in the time envisaged and would jeopardise the excellent mechanical results that can be obtained with **Basecem**;
- before laying parquet, use a carbide moisture meter to check how much the screed has set;
- the aggregates used are fundamental to ensure setting within the times stated, as well as maximum mechanical performance. Use aggregates with a low water absorption rate and suitable granulometry.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing ratio:	approx. 250 kg/m³ of Basecem + 1700 -1800 kg/m³ of aggregates + 120 -140 kg/m³ of water (the amount of water may change depending on the humidity of the aggregate)
Specific weight of mixture:	2.15 g/cm³
Pot life:	approx. 90 minutes
Application temperature:	from +5°C to +35°C
Waiting time before laying wood and resilient materials:	10 days
Waiting time before laying ceramic tiles:	24 hours
Waiting time before laying natural stone materials:	3 days
Residual humidity after 7 days:	2.0 %
Walk-over time	approx. 12 hours
Ready for use:	approx. 7 days
FINAL PERFORMANCE SPECIFICATIONS	
Compression resistance after 28 days:	>30 N/mm²
Bending resistance after 28 days:	> 6 N/mm²
Resistance to solvents, oils, and alkalis:	excellent
Room/ambient temperature:	from - 30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Basecem Pronto

Controlled shrinkage, medium-fast setting pre-mixed screed

Form:	grey powder
Packs:	25 kg
Pallet:	1400 kg
Quantities required:	16-18 kg/m ² per cm of thickness

Main features

- One-part
- Medium-fast setting
- High workability
- High mechanical resistance
- Quick walk-over time

Storage

Basecem Pronto can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Basecem Pronto undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2000.

Fields of application

Basecem Pronto is suitable for the following:

- fast setting floating or adhesive screeds;
- for screeds which are ready for laying ceramic tiles after just 24 hours; 3 days for natural stone materials and terracotta;
- for screeds which are ready for laying parquet and

resilient materials after just 10 days;

- for heated screeds (where underfloor heating coils are incorporated into the screed);
- for filling trenches and quickly renewing screeds following maintenance work.

Preparation:

For floating screeds: when making floating screeds, the base must be rigid and not subject to rising damp. Before spreading the **Basecem Pronto**, the base must be insulated with a vapour barrier, which is generally made of plastic sheeting. The sheets must overlap by at least 20 cm and the perimeter edges must be turned up at the walls to a height of no less than the thickness of the screed. The barrier is also necessary if there is an existing waterproofing layer, and it has a separating function. Along the outer walls and around any pillars, sheets of compressible material must be added, such as polystyrene, cork etc., which must be as high as the screed is thick and at least 1 cm thick.

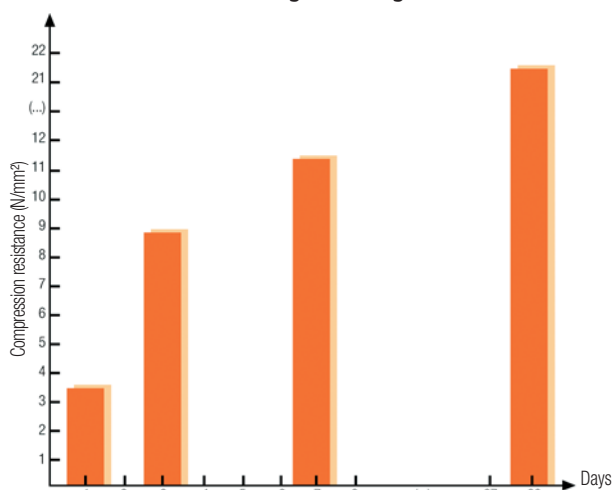
For adhesive screeds: the base must be sound, compact, have no parts coming away, and be free of dust, grease, oil, paint, wax and gypsum. The base must be dry and well established. Along the outer walls and around any pillars, sheets of compressible material must be added, such as polystyrene, cork etc., which must be as high as the screed is thick and at least 1 cm thick. To mix the paste, we recommend you use a mechanical mixer with pump conveying system ("Turbosol").

Mix **Basecem Pronto** with the aggregate and clean water until you obtain a paste with an "earth-moist" consistency. Do not add other aggregates or hydraulic binders to **Basecem Pronto**.

Application:

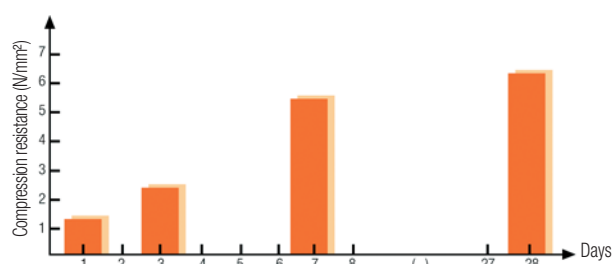
for floating screeds with thicknesses ranging from 3.5 to 6 cm: on the insulation sheets prepared earlier, spread the mix in the same way as you would lay a standard cement screed, i.e. by compacting the mortar, applying a good amount of pressure during the levelling off and screed board finishing phase. Place lightweight wire fencing in areas where there are pipelines or ducting. The final smoothing can be done with a float or a power trowel. Bear well in mind that the mixture remains workable for approx. 90 minutes; Workability cannot be restored by adding water once the mix has started to set. Any breaks in the work should coincide with a door threshold or, if working on large surfaces, a clean cut -off point must be made. Plant iron rods (diameter= approx. 3 mm) at intervals of approximately 20 cm along the screed break. This will guarantee an effective joint with the screed when resuming work.

For adhesive screeds with thicknesses ranging from 1 to 3.5 cm: laying operations are the same as those outlined for floating screeds. In this case, plastic sheeting is not required to separate the layers, but anchor grout is required, which should be mixed as follows: 1 part (weight) **Latex UN**, 1 part water, 2 parts **Basecem Pronto**. The grout must be poured and spread, using a trowel, over the surface of the base, immediately prior to compacting the **Basecem Pronto** mix (wet on wet). This ensures perfect anchorage between the screed you will be making and the base. Make sure the base is dry and there is no rising damp.

Variations in compression resistance according to setting time


Data item 1 = 1 day -3.44 N/mm²
 Data item 2 = 3 days -8.95 N/mm²
 Data item 3 = 7 days -11.13 N/mm²
 Data item 4 = 28 days -21.34 N/mm²

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

Variations in bending resistance according to setting time


Data item 1 = 1 day -1.21 N/mm²
 Data item 2 = 3 days -2.33 N/mm²
 Data item 3 = 7 days -5.38 N/mm²
 Data item 4 = 28 days -6.24 N/mm²

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

Warning

- Do not use on bases subject to rising damp;
- when making floating screeds, the base must always be insulated with a vapour barrier (e.g. plastic sheeting) first;
- If possible, use a pressure pump to mix and convey the mixture;
- the amount of water used is fundamental for the correct outcome of the screed. The mix must always have the so-called 'earth-moist' consistency. Too much or too little water will prevent the mix setting in the time envisaged and would jeopardise the excellent mechanical results that can be obtained with **Basecem Pronto**;
- the aggregates used are fundamental to ensure setting within the times stated, as well as maximum mechanical
- keeps bags away from sunlight and damp.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water (mixer or pump):	6% (weight) - i.e. approx 1.6 l per 25 kg bag)
Mixing water (cement mixer):	7% (weight) - i.e. approx 1.8 l per 25 kg bag)
Specific weight of mixture:	2.00 g/cm³
Pot life:	approx. 60 minutes
Application temperature:	from +5°C to +35°C
Waiting time before laying wood and resilient materials:	10 days
Waiting time before laying ceramic tiles:	24 hours
Waiting time before laying stone materials:	3 days
Residual humidity after 7 days:	2.0 %
Walk-over time:	approx. 12 hours
Ready for use:	approx. 7 days
FINAL PERFORMANCE SPECIFICATIONS	
Compression resistance after 28 days:	> 20 N/mm²
Bending resistance after 28 days:	> 6 N/mm²
Resistance to solvents, oils, and alkalis:	excellent
Room/ambient temperature:	from - 30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Planirapid Autolivellante

Fast-setting self-leveller for thicknesses ranging from 1 to 10 mm
Machine applicable

Form: grey powder
Packs: 25 kg
Pallet: 1500 kg
Quantities required: 1.6 kg/m² per mm of thickness

Main features

- One-part
- High mechanical resistance
- Fast setting
- For interiors only
- High adhesion to base
- Non-shrink

Storage

Planirapid Autolivellante can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Planirapid Autolivellante undergoes constant, careful testing at our laboratories, in compliance with the legislation in force -UNI EN ISO 9001/2000.

Warning

- Do not use on bases subject to rising damp or outdoors;
- do not apply in thicknesses of less than 3 mm;
- on gypsum, anhydrite or extremely porous bases - where there is no rising damp - use **Primer GS**;
- before laying parquet, use a carbide moisture meter to check how much the screed levelled out with **Planirapid Autolivellante** has set;
- do not add water to increase fluidity of the self-leveller. The mixture could separate and cause shrinkage due to moisture differences.

Fields of application

Planirapid Autolivellante is suitable for the following:

- for self-levelling on concrete and screeds indoors
 - for self-levelling on heated floors.
- with thicknesses ranging from 1 to 10 mm:

Preparation: the base must be sound, compact, well set, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Gypsum or anhydrite bases must be perfectly dry, compact and dust-free. Before smoothing off with **Planirapid Autolivellante** self leveller, it is essential to treat the surfaces with **Primer GS**. Any splits or cracks must be sealed using **Eposan**.

Application: mix **Planirapid Autolivellante** self leveller with clean water, to obtain a smooth, lump-free paste. To ensure correct mixing, use a mechanical mixer at low speed and always pour the powder into the container with the right amount of water already in it. Do not add other aggregates or hydraulic binders to **Planirapid Autolivellante**. Leave the mixture to rest for 3 minutes, then mix it again. It is now ready for use. If the mixture is already hardening, do not attempt to restore workability by adding water. Mortar mixers can be used for mixing and pressure pumps for conveying the mixture to the area of use. Pour the mix onto the base and help it to spread with a smooth trowel. For application to large areas, we recommend you use a pump to facilitate even distribution; a light surface finish can be obtained using a screed bar to guarantee overall flatness. **Planirapid Autolivellante** must be protected from frost for at least 24 hours after application. The second coat must be applied as soon as the first is treadable (3-4 hours).

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	24-25% (weight) - i.e. approx. 6 l per 25 kg bag)
Specific weight of mixture:	1.90 g/cm³
Mixture pH:	over 11
Setting time:	60-110 minutes
Application temperature:	from +5°C to +35°C
Waiting time before application of covering materials:	12-24 hours for ceramics 36 hours for wood
Pot life:	approx. 20 minutes
Walk-over time	3-4 hours
FINAL PERFORMANCE SPECIFICATIONS	
Compression resistance after 28 days:	30.0 N/mm²
Bending resistance after 28 days:	8 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Planirapid Autolivellante Maxi

Fast-setting self-leveller for thicknesses ranging from 3 to 30 mm
Machine applicable

Form:	grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	1.6 kg/m ² per mm of thickness

Main features

- One-part
- High mechanical resistance
- Fast setting
- For interiors only
- High adhesion to base
- Non-shrink

Storage

Planirapid Autolivellante Maxi can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Planirapid Autolivellante Maxi undergoes constant, careful testing at our laboratories, in compliance with the legislation in force (UNI EN ISO 9001/2000).

Warning

- Do not use on bases subject to rising damp or outdoors;
- do not apply in thicknesses of less than 3 mm;
- on gypsum, anhydrite or extremely porous bases - where there is no rising damp - use **Primer GS**;
- before laying parquet, use a carbide moisture meter to check how much the screed levelled out with **Planirapid Autolivellante Maxi** has set;
- do not add water to increase fluidity of the self-leveller. The mixture could separate and cause shrinkage due to moisture differences;
- it must always be anchored to the substrate and cannot be used as a separated screed.

Fields of application

Planirapid Autolivellante Maxi is suitable for the following:

- for levelling concrete and screeds indoors with thicknesses ranging from 3 to 30 mm:
- for levelling old ceramic, marble or natural stone tiled flooring;
- for self-levelling on heated floors.

Preparation: the base must be sound, compact, well set, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Gypsum or anhydrite bases must be perfectly dry, compact and dust-free. Before smoothing off with **Planirapid Autolivellante Maxi** self leveller, it is essential to treat the surfaces with **Primer GS**. Any splits or cracks must be sealed using **Eposan**.

Application: mix **Planirapid Autolivellante Maxi** self leveller with clean water, to obtain a smooth, lump-free paste. To ensure correct mixing, use a mechanical mixer at low speed and always pour the powder into the container with the right amount of water already in it. Do not add other aggregates or hydraulic binders to **Planirapid Autolivellante Maxi**. Leave the mixture to rest for 3 minutes, then mix it again. It is now ready for use. Mortar mixers can be used for mixing and pressure pumps for conveying the mixture to the area of use. If the mixture is already hardening, do not attempt to restore workability by adding water.

Pour the mix onto the base and help it to spread with a smooth trowel. For application to large areas, we recommend you use a pump to facilitate even distribution; a light surface finish can be obtained using a screed bar to guarantee overall flatness. Ease out air bubbles with an appropriate bubble roller.

Planirapid Autolivellante Maxi must be protected from frost for at least 24 hours after application. The second coat must be applied as soon as the first is treadable (3-4 hours).

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	22-23% (weight) - i.e. approx. 5,5 l per 25 kg bag
Specific weight of mixture:	1.90 g/cm³
Mixture pH:	over 11
Setting time:	90 minutes
Application temperature:	from +5°C to +35°C
Waiting time before application of covering materials (thickness: 3 cm):	2 days for ceramics 5 days for wood
Pot life:	approx. 30 minutes
Walk-over time	3-4 hours
FINAL PERFORMANCE SPECIFICATIONS	
Compression resistance after 28 days:	35.0 N/mm²
Bending resistance after 28 days:	8 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, ageing	excellent
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Planicem

Fast-setting levelling mortar for thicknesses from 3 to 10 mm

Form:	grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	1.6 kg/m ² per mm of thickness

Main features

- One-part
- For interiors only
- Suitable for old and new substrates

Storage

Planicem can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Planicem undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2000.

Warning

- Do not use on bases subject to rising damp or outdoors;
- if due to be used in thin layers on difficult bases, apply **Primer Tack** beforehand;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- before laying parquet, use a carbide moisture meter to check how much the screed levelled out with **Planicem** has set;
- when applying several coats, the previous coat must be set before the next is applied. If the previous coat has already set, apply **Primer Tack** before applying the next coat.

Fields of application

Planicem is suitable for the following:

- for levelling old cement screeds, or ceramic, marble or natural stone tiled flooring;

- for levelling bases and surfaces that are not flat.

Preparation: the base must be sound, compact, well set, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Gypsum or anhydrite bases or prefabricated panels must be perfectly dry, compact and dust-free. Before smoothing off with **Planicem**, it is essential to treat the surfaces with **Primer GS**. Any splits or cracks must be sealed using **Eposan**.

Application: mix **Planicem** with clean water, to obtain a smooth, lump-free paste. To ensure correct mixing, use a mechanical mixer at low speed and pour the powder into the container with the right amount of water already in it. Leave the mixture to rest for 3 minutes, then mix it again. It is now ready for use. Mortar mixers can be used for mixing and pressure pumps for conveying the mixture to the area of use. Do not add other aggregates or hydraulic binders to **Planicem**. If the mixture is already hardening, do not attempt to restore workability by adding water.

Pour out the **Planicem** and help it to spread with a large metal trowel or a scraper blade. For application to large areas, we recommend you use a pump to facilitate even distribution. **Planicem** must be protected from frost for at least 24 hours after application.

Technical and application specifications

Hazard classification as per Directive 99/45/EC.	irritant
Mixing water:	20-22% (weight) - i.e. approx 5 l per 25 kg bag
Specific weight of mixture:	1.95 g/cm³
Mixture pH:	over 12
Setting time:	approx. 60-90 minutes
Application temperature:	from +5°C to +30°C
Waiting time before application of covering materials:	depends on thicknesses (from 2 days to 2-3 weeks)
Pot life:	approx. 20 minutes
Walk-over time	5-6 hours
FINAL PERFORMANCE SPECIFICATIONS	
Compression resistance after 28 days (EN 196):	27.0 N/mm²
Bending resistance after 28 days (EN 196):	8 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, ageing	excellent
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.





Raso OP 106

Thixotropic smoothing coat for home plaster and render, with thickness of up to 3 mm per coat

Form:	Grey or white powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	1.4 kg/m ² per mm of thickness

Main features

- One-part
- Highly breathable
- Excellent workability
- Thixotropic

Storage

Raso OP 106 can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Raso OP 106 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on crumbling or dusty bases;
- do not use directly on gypsum bases (apply **Primer GS** 4-6 hours prior to use);
- do not use on painted bases;
- do not use on highly absorbent bases (apply **Primer GS** 4-6 hours prior to use);
- do not apply **Raso OP 106** on particularly windy and/or hot days and protect the surface to prevent it from drying too quickly;
- do not apply **Raso OP 106** to frozen bases or if there is a risk of freezing within the following 24 hours;
- **Raso OP 106** is not suitable for laying tiles or heaving wall covering materials;
- dampen the base before application.

Fields of application

Raso OP 106 is suitable for the following:

- for smoothing dehumidifying plaster/render;
- for smoothing well set plaster/render;
- as a top coat for wet pre-mixed home plaster/render.

Preparation: the base must be sound, compact, well set, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Gypsum or anhydrite bases must be perfectly dry, compact and dust-free. Before smoothing off with **Raso OP 106**, it is essential to treat the surfaces with **Primer GS**.

Application: mix **Raso OP 106** with clean water using a mechanical mixer at low speed to ensure an even, lump-free paste. Do not add other aggregates or hydraulic binders to **Raso OP 106** and if the mixture is already hardening, do not attempt to restore workability by adding water.

Leave the mix to rest for 10 minutes.

Apply the first coat of **Raso OP 106** with a metal trowel. Wait approximately 30 minutes between applying the first and second coat. Apply the second coat of **Raso OP 106** and, once the plastic phase is over, float-finish with the sponge float until an even finish is obtained. The smoothed surface can be painted after approximately 20 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	25% (approx. 6.5 l per 25 kg bag)
Specific weight of mixture:	1.90 g/cm³
Pot life:	approx. 60 minutes
Application temperature:	from +5°C to +35°C
Waiting time before painting:	approx. 20 days
Waiting time before applying 2nd coat:	approx. 30 minutes
Waiting time before float-finishing:	15 minutes
Maximum thickness per coat:	3 mm

FINAL PERFORMANCE SPECIFICATIONS

Compression resistance after 28 days:	4.5 N/mm²
Bending resistance after 28 days:	1.5 N/mm²
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Raso OP 156

Thixotropic smoothing coat for concrete for use indoors and outdoors, as well as plaster and render, with thickness of up to 3 mm per coat

Form:	Grey and white powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	1.6 kg/m ² per mm of thickness

Main features

- One-part
- Excellent workability
- High mechanical resistance
- Highly thixotropic
- Water-repellent or waterproof

Storage

Raso OP 156 can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Raso OP 156 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2000.

Warning

- Do not use on crumbling or dusty bases;
- do not use directly on gypsum bases (apply **Primer GS** prior to use);
- do not use on painted bases;
- do not use on very absorbent bases (apply **Primer GS** prior to use);
- do not use on bases with uneven sections of over 10 mm;
- do not apply **Raso OP 156** on particularly windy and/or hot days and protect the surface to prevent it from drying too quickly;
- do not apply **Raso OP 156** to frozen bases or if there is a risk of freezing within the following 24 hours;
- do not apply to dehumidifying plaster/render.

Fields of application

Raso OP 156 is suitable for the following:

- as a smoothing coat for non-reinforced concrete for wooden or metal formworks;
- as a smoothing coat for precompressed concrete;
- as a smoothing coat on which to apply adhesives for gluing floor and wall tiles;
- as a smoothing coat for well-established and resistant plaster/render.

Preparation: the base must be sound, compact, well set, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Plaster or anhydrite bases must be perfectly dry, compact and dust-free. Before smoothing off with **Raso OP 156**, it is essential to treat the surfaces with **Primer GS**.

Application: mix **Raso OP 156** with clean water using a mechanical mixer at low speed to ensure an even, lump-free paste. Do not add other aggregates or hydraulic binders to **Raso OP 156** and if the mixture is already hardening, do not attempt to restore workability by adding water. Leave the mix to rest for 10 minutes. Apply the first coat of **Raso OP 156** with a metal trowel; wait approximately 4 hours between applying the first and second coat. Apply the second coat of **Raso OP 156** and, once the plastic phase is over, float-finish with a sponge float. The smoothed surface can be painted after approximately 28 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	22-25% (approx 5.5 l per 25 kg bag)
Specific weight of mixture:	1.60 g/cm³
Pot life:	approx. 60 minutes
Application temperature:	from +5°C to +35°C
Waiting time before painting:	28 days
Waiting time before applying 2nd coat :	approx. 4 hours
Waiting time before applying covering materials:	3 days
Maximum thickness per coat:	3 mm

FINAL PERFORMANCE SPECIFICATIONS

Compression resistance after 28 days:	25 N/mm²
Bending resistance after 28 days:	6.0 N/mm²
Adhesion to concrete after 28 days:	1.5 N/mm²
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Raso OP 30F

Thixotropic smoothing coat with glossy finish for plaster and render, with thickness of 0 mm to 3 mm

Raso OP 30F

Preparatory products for bases and substrates

Form:	Grey and white powder-
Packs:	20 kg
Pallet:	1200 kg
Quantities required:	1.1 kg/m ² per mm of thickness

Main features

- One-part
- Highly breathable
- Excellent workability
- Extra-white finish
- Water-repellent or waterproof

Storage

Raso OP 30F can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Raso OP 30F undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2000.

Warning

- Do not use on crumbling or dusty bases;
- do not use on directly gypsum bases (apply **Primer GS** 4-6 hours prior to use);
- do not use on painted bases;
- do not use on highly absorbent bases (apply **Primer GS** 4-6 hours prior to use);
- do not apply **Raso OP 30F** on particularly windy and/or hot days and protect the surface to prevent it from drying too quickly;
- do not apply **Raso OP 30F** to frozen bases or if there is a risk of freezing within the following 24 hours;
- dampen the base before application;
- **Raso OP 106** is not suitable for laying tiles or heaving wall covering materials;
- do not use for thickness over 3 mm, use **RASO OP 106**.

Fields of application

Raso OP 30F is suitable for the following:

- as a top coat for traditional or pre-mixed home plaster/render - whether existing or newly applied;
- as a breathable top coat for dehumidifying plaster/render **Silinton DM 600**;
- for levelling out uneven parts on concrete façades, cornices, walls and ceilings;
- as a top coat after smoothing.

Preparation: the base must be sound, compact, well set, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Plaster or anhydrite bases must be perfectly dry, compact and dust-free. Before smoothing off with **Raso OP 30F**, it is essential to treat the surfaces with **Primer GS**.

Application: mix **Raso OP 30F** with clean water using a mechanical mixer at low speed to ensure an even, lump-free paste. Do not add other aggregates or hydraulic binders to **Raso OP 30F**. Leave the mix to rest for 10 minutes. If the mixture is already hardening, do not attempt to restore workability by adding water. Apply the first coat of **Raso OP 30F** with a metal trowel. Wait approx. 60 minutes before applying the second layer. Apply the second coat of **Raso OP 30F** with a metal trowel to obtain a smooth, even finish. The smoothed surface can be painted after approximately 20 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	35% (approx. 7,0 l per 20 kg bag)
Specific weight of mixture:	1.40 g/cm³
Pot life:	approx. 60 minutes
Application temperature:	from +5°C to +35°C
Waiting time before painting:	approx. 20 days
Waiting time before applying 2nd coat:	approx. 60 minutes
Maximum thickness per coat:	1.5 mm
Waiting time before applying second coat:	30 minutes
Waiting time before float-finishing:	15 minutes

FINAL PERFORMANCE SPECIFICATIONS

Adhesion to concrete:	1.0 N/mm²
Compression resistance after 28 days:	8.0 N/mm²
Bending resistance after 28 days:	3.0 N/mm²
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Primer GS

Synthetic resin-based high-penetration strengthening primer for gypsum, anhydrite and cementitious bases

Form:	white liquid
Packs:	10 kg
Pallet:	600 kg
Quantities required:	0.15 - 0.20 kg/m ² depending on the absorption of the base

Main features

- Ready for use
- High penetration
- Inhibits the sulphate reaction between gypsum and cement

Storage

Primer GS can be kept for up to 24 months if stored in its original packaging, in a dry place, with temperatures no lower than +5°C and away from direct sunlight.

Quality and Environmental Standards

Primer GS undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use in areas subject to rising damp;
- do not overapply and, if necessary, dilute with water in accordance with the absorption rate of the base, to prevent it forming layers and a surface film;
- do not apply to unstable woods in a damp environment;
- while considerably reducing the absorption of the materials to which it is applied, **Primer GS** should not be considered and used as a waterproofing treatment;
- do not apply in temperatures below +5°C.

Fields of application

Primer GS is suitable for the following:

- for strengthening fragile, cementitious bases which are flaking or crumbling on the surface;
- as insulation for gypsum bases (plasters, screeds) before smoothing or gluing with cement-based products;
- for adjusting the absorption rate of very porous surfaces to prevent self-levellers, smoothing coats and adhesives setting too fast;
- as surface treatments for gypsum prior to painting.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. Any splits or cracks must be sealed using **Eposan**.

Application

Application as a strengthener and insulation for gypsum bases: mix **Primer GS** for a short while before applying it. Spread evenly with a brush or roller, making sure no layers are formed. Once dry, laying is possible or cement-based materials can be used for smoothing.

Application as an adhesion-promoting primer: on very porous cementitious bases, use a brush or roller to apply **Primer GS** diluted with water with a mixing ratio of 1:1 or 1:2 depending on absorption rate (the more porous the base is, the less the primer needs to be diluted). Spread evenly to prevent build-ups and layers forming. Proceed with laying or smoothing before the **Primer GS** is dry. For use as an adhesion-promoting coat for plaster/render: use a brush or spray to apply **Primer GS** diluted with water with a mixing ratio of 1:2.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	none
Waiting time before smoothing or applying materials:	approx. 3 hours
Application temperature:	from +5°C to +35°C

FINAL PERFORMANCE SPECIFICATIONS

Resistance to damp, solvents, oil, alkalis, ageing:	excellent
Harmonised customs code:	39039000

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Primer Tack

Synthetic resin-based one-part adhesion promoter

Form: dark blue liquid
Packs: 5 kg drums
Pallet: 320 kg
Quantities required: 0.15 - 0.20 kg/m² depending on the absorption of the base

Main features

- Ready for use
- Low filming temperature
- Compatible with vinyl, cement, epoxy and polyurethane glues
- Recommended for non-absorbent surfaces

Storage

Primer Tack can be kept for up to 24 months if stored in its original packaging, in a dry place, with temperatures no lower than +5°C and away from direct sunlight.

Quality and Environmental Standards

Primer Tack undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use in areas subject to rising damp;
- do not overapply and, if necessary, dilute with water in accordance with the absorption rate of the base, to prevent it forming layers too much;
- do not apply to unstable woods in a damp environment;
- do not apply to high flexibility bases;
- do not use to apply over semi-set mortars and plasters/renders with a high grain size.
- Once the maximum time limit of 24 hours has passed, it can be useful for application over the aforesaid materials; it is vital to apply a complete new coat of **Primer Tack** to the existing one.

Fields of application

Primer Tack is suitable for the following:

- as an adhesion-promoting primer for adhesives, smoothing coats and self-levellers on difficult bases;
- as an adhesion-promoting primer when applying several coats of self-leveller when the previous coat is already set;
- for preparing smooth, compact, absorbent or non-absorbent bases;
- before applying adhesives, smoothing coats and self-levellers, to improve adhesion to the base;
- as an adhesion-promoting primer on residues of glue for carpets, linoleum, and parquet.

Preparation: the base must be dry, free of dust, grease, and paint, and have no parts coming away; it must also be stable, non-deformable, have no cracks and no longer be subject to shrinkage due to moisture content. On absorbent bases, we recommend you apply **Primer Tack**, mixing it with clean water with a ratio of 1 : 1 or 1:0.5. Mix the paste in a container until a smooth consistency is obtained. On difficult bases or bases with a low absorption rate, apply **Primer Tack** neat, shaking the container before use.

Application: spread a thin, even layer of **Primer Tack** using a fine/medium sponge roller and working in the same direction all the time. Then, repeat the operation, working crosswise to the previous spreading direction. **Primer Tack's** vivid colour allows you to see immediately when the surface to treat is fully covered. Before applying a further coat, wait at least an hour (at 23°C and 50% R.H) and check that the film of **Primer Tack** has set and is slightly sticky.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	none
Minimum amount of time to wait before application of a further coat:	≥1 hour
Maximum amount of time to wait before application of a further coat:	≤ 24 hours
Application temperature:	from +5°C to +35°C

FINAL PERFORMANCE SPECIFICATIONS

Adhesion to concrete after 7 days:	≥ 2.5 N/mm ²
Adhesion to glazed ceramic after 7 days:	≥ 2.0 N/mm ²
Adhesion to concrete after 24 hours:	≥ 1.5 N/mm ²
Harmonised customs code:	39069090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Idrorep Indurente

Silicate-based strengthener for cement substrates

Form:	Clear liquid
Packs:	10 kg
Pallet:	600 kg
Quantities required:	0.5 - 0.8 kg/m ² depending on the absorption of the base

Main features

- Solvent-free
- High penetration
- Ready for use
- Powerful strengthener

Storage

Idrorep Indurente can be kept for up to 12 months if stored in its original packaging, in a dry place, with temperatures no lower than 5°C and away from direct sunlight.

Quality and Environmental Standards

Idrorep Indurente undergoes constant, careful testing at our laboratories, in compliance with the legislation in force (UNI EN ISO 9001/2000).

Warning

- Clean the treated surfaces carefully;
- apply to dry surfaces only;
- do not apply to ceramics and non-absorbent materials;
- do not use on gypsum or anhydrite bases.

Fields of application

Idrorep Indurente is suitable for the following:

- for strengthening cement substrates with low mechanical resistance;
- for strengthening powdery plaster/render, lime or cement;

- as a dust remover for cement surfaces.

Preparation: the surface to treat must be dry, clean and be free of any substances which could prevent the penetration of **Idrorep Indurente** (such as, oil, grease, paint, etc).

Application: apply with a watering can and spread with a roller or flat brush depending on the surface area so that all the product is absorbed and no pools form.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Application temperature:	from +5°C to +35°C
Drying time:	24/36 hours, depending on the amount applied, temperature and room/ambient humidity
Harmonised customs code:	38239095

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Primer SP1

Air-curing vapour barrier for insulating partially damp bases

Form:	brown liquid
Packs:	5 kg
Pallet:	390 kg
Quantities required:	0.100 - 0.300 kg/m ²

Main features

- One-part
- High strengthening and insulating capacities
- High penetration capacity

Storage

Primer SP1 can be kept for up to 12 months if stored in its original packaging, in a dry place, and away from direct sunlight.

Quality and Environmental Standards

Primer SP1 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on bases subject to continuous rising damp;
- do not apply to screeds which are not well established and still subject to shrinkage and splitting;
- while **Primer SP1** totally prevents rising damp, it should not be considered or used as a waterproofing membrane, solely as a vapour barrier against partial residual dampness;
- do not use on bases which are not rigid;
- follow the recommended dilution ratio for the absorption rate of the base to ensure the primer penetrates properly.

Fields of application

Primer SP1 is suitable for the following:

- as a vapour barrier in screeds with a maximum residual humidity of 4%, before laying parquet, resilient or natural stone materials;
- as a strengthener for fragile and dusty bases.

Preparation: the base must be well established, rigid and crack-free. It must also have no dust, grease, oil or paint on it, or parts that are coming away. Any splits or cracks must be sealed using **Eposan**.

Application: apply with a brush or smooth trowel, suitably diluted with **Diluyente DX**, spreading in an even fashion to prevent build-ups. Wait until the first coat is treadable (approx. 2 hours) before applying the second. Parquet can be laid after 24 hours, using adhesives such as **Ecotech**. As soon as you have applied the second coat of **Primer SP1** and before it is dry, small amounts of select fine dry sand may be scattered to roughen the laying surface. This will improve the grip of the adhesive subsequently applied.

DILUTION RATIOS

PRIMER SP1 : DILUENTE DX	FIRST COAT	SECOND COAT
HIGH ABSORBENCY BASE	1 : 1	1 : 0
LOW ABSORBENCY BASE	1 : 2	1 : 0.1

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Specific weight :	1.50 g/cm³
Application temperature:	from +5°C to +35°C
Waiting time before applying materials:	approx. 24 hours

FINAL PERFORMANCE SPECIFICATIONS

Resistance to ageing:	excellent
Resistance to acids and alkalis:	fair
Room/ambient temperature:	from -30°C to +90°C
Harmonised customs code:	40021100

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Eposan

Two-part pourable epoxy resin for construction joints, and sealing cracks in bearing structures and screeds

Form: Grey liquid, very fluid
Packs: 5 kg (4.3 + 0.7)
Pallet: 300 kg
Quantities required: 0.7 kg/m² for joints in wrinkled substrates
 1.5 kg/m² for joints in uneven substrates
 1.4 kg/l of cavity to fill for sealing cracks

Main features

- Two-part
- High fluidity
- High mechanical resistance

Storage

Eposan can be kept for up to 24 months if stored in a dry place and in its original packaging. Keep away from direct sunlight and frost.

Quality and Environmental Standards

Eposan undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2001.

Warning

- For construction joints, it must be applied "wet on wet";
- do not apply mortars or concrete to set **Eposan**;
- do not apply **Eposan** to wet surfaces;
- do not apply to bases subject to continuous rising damp.

Fields of application

Eposan is suitable for the following:

- for sealing splits and cracks in cement screeds;
- for construction joints between established and new substrates;
- for gluing prefabricated concrete items;

- for gluing iron plates or reinforcing rods into concrete;
- for sealing splits and cracks in cement screeds.

Preparation: the base must be sound, free of dust, grease, oil and paint, and have no parts coming away. For application to metal, remove all rust and grease residues.

Application: pour part B into part A and mix by hand with a trowel or with a drill at a low speed, until you obtain a perfectly smooth paste.

ASA CRACK SEALANT: proceed by opening up the crack cleanly with an angle grinder so that the product can be poured easily into the crack. It is also advisable to make cuts across the split so that the sealant becomes one with the base.

ASA CONSTRUCTION JOINT: spread the mixed product over the existing cast layer with a brush, making sure it is spread evenly. The new layer must be cast while the **Eposan** is still wet ("wet on wet" technique).

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant (part A) - corrosive (part B)
Mixing ratio:	part A: part B = 4.3 : 0.7
Specific weight of mixture:	1.55 g/cm³
Application temperature:	from +5°C to +35°C
Pot life (+10°C):	approx. 90 minutes
Pot life (+25°C):	approx. 60 minutes
Pot life (+30°C):	approx. 40 minutes
1 mm layer drying time (+10°C):	5-6 hours
1 mm layer drying time (+25°C):	3-4 hours
1 mm layer drying time (+30°C):	1.5 -2.5 hours
Time until completely set:	7 days

FINAL PERFORMANCE SPECIFICATIONS

Bending resistance after (ISO 178):	30 N/mm²
Compression resistance after (ASTM C 579):	50 N/mm²
Adhesion to concrete:	concrete breakage (> 3 N/mm²)
Room/ambient temperature:	from -40°C to +180°C
Harmonised customs code:	35069990

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.





Detergente AC

Acid detergent for removing efflorescence and cement residues from ceramics

Form: Clear liquid or pale granules
Packs: 1 kg x 10 Liquid
 5 kg Liquid
 1 kg x 15 Powder
Pallet: 240 - 450 - 360 kg
Quantities required: 0.150-0.200 kg/m²

Main features

- Does not generate toxic fumes or unpleasant odours
- Ready for use
- Removes soluble salts that appear in the form of white stains or rings (efflorescence)
- Breaks up cementitious bonds

Storage

Detergente AC liquid can be kept for up to 12 months if stored in its original packaging in temperatures no lower than +5°.

Detergente AC powder can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Detergente AC Liquid and Detergente AC Powder undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Never use on marble, slate, or limestone;
- rinse the surfaces washed with plenty of water;
- before application, carry out a test on the product that needs to be cleaned to make sure no damage will occur;
- do not use on ceramics which are not acid-proof;
- use safety gloves and goggles during use;
- wait at least one week before cleaning the entire surface;
- handle with care, protect eyes, and rinse off any parts that may come into contact with the product. In more serious cases of exposure, seek medical advice.
- do not allow the product to work on the joints.

Fields of application

Detergente AC is suitable for the following:

- for removing efflorescence caused by soluble salts rising to the surface of tiles and joints;
- for removing cement residues (glues, sealants, or mortars) from floors and walls.

Application: put on safety gloves and goggles before beginning the application. Drench the cement joints with water, and do the same for porous materials (terracotta, plaster/render, cement flooring) before spreading the **Detergente AC**. Pour the **Detergente AC** onto the surface to treat and rub with a brush or abrasive sponge; leave to work for 5 minutes then rinse repeatedly with plenty of water. When cleaning large surfaces, work gradually, cleaning small areas at a time. Stubborn stains and scaling can be eliminated by repeating the operation in specific areas and scrubbing vigorously. For the use of **Detergente AC** powder, dampen the surface to clean with water until it is no longer absorbed and scatter the granules over it. You should then proceed as for the liquid version.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
pH:	1.5 (liquid) - 1 (powder)
Flammability	no
Waiting time before rinsing:	5 minutes
Harmonised customs code:	28111900

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Detergente Basico

Basic grease removing detergent for ceramic tiles, natural stoneware and cement-based surfaces

Form: Clear liquid
Packs: 5 l
Pallet: 450 lt
Quantities required: 0.150 - 0.200 l/m²

Main features

- Removes grease
- Dissolves stains made by organic substances, oil, and grease
- Does not damage coloured joints

Storage

Detergente Basico can be kept for up to 12 months if stored in its original packaging in temperatures no lower than +5°.

Quality and Environmental Standards

Detergente Basico undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Fields of application

Detergente Basico is suitable for the following:

- for cleaning, grease removal and wax removal on old flooring, before laying new flooring on top;
- as a detergent for routine maintenance to remove general dirt and mildew.

Application: put on safety gloves and goggles before beginning the application. Pour the **Detergente Basico** onto the surface to treat and leave to work for 2/3 minutes, then rinse repeatedly with plenty of water. When cleaning large surfaces, work gradually, cleaning small areas at a time. Stubborn stains and scaling can be eliminated by repeating the operation and scrubbing in the specific areas. Mop up the rinsing water and wait until the surface is completely dry before doing any laying or waterproofing treatment.

Warning

- before application, carry out a test on the product that needs to be cleaned to make sure no damage will occur;
- absorbent coloured materials may bleach;
- wait at least one week before cleaning the entire surface;
- handle with care, protect eyes, and rinse off any parts that may come into contact with the product. In more serious cases of exposure, seek medical advice.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixture pH:	14
Flammability:	No
Waiting time before rinsing:	2 - 3 minutes
Harmonised customs code:	28151200

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Diluente DX

Thinner for Primer SP1

Form:	Colourless liquid
Packs:	5 l
Pallet:	390 l
Quantities required:	varies depending on the use

Fields of application

Diluente DX is suitable for the following:

- for tool cleaning;
- as a thinner for **Primer SP1**.

Main features

- Highly complementary to **Primer SP1**
- Excellent cleaner

Storage

Diluente DX can be kept for up to 24 months if stored in a dry place, away from heat.

Quality and Environmental Standards

Diluente DX undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Always follow the recommended amounts (see chart) for diluting **Primer SP1**;
- keep away from direct sunlight and heat;
- use safety gloves and goggles during use;
- handle with care, protect eyes, and rinse off any parts that may come into contact with the product. In more serious cases of exposure, seek medical advice.

DILUTION RATIOS

PRIMER SP1 : DILUENTE DX	FIRST COAT	SECOND COAT
HIGH ABSORBENCY BASE	1 : 1	1 : 0
LOW ABSORBENCY BASE	1 : 2	1 : 0.1

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Specific gravity:	0.866 kg/l
Flammability:	Yes

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

