



RECESSED SOAP DISHES INSTALLATION GUIDE

**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING.
FAILURE TO FOLLOW INSTRUCTION WILL VOID WARRANTY.**

It is the responsibility of the installer of the recessed soap dishes to check with local building code in relation to water-proofing and installation. These instructions are a recommended method only. The installation of the puddle flange and outlet is the responsibility of the installer to ensure a water tight seal between recessed soap dishes and puddle flange, **Luxo Marble** can only supply recommended methods of installation.

Framing dishes into an existing finished wall (if new construction, skip to paragraph 2)

Locate and mark the center of adjacent framing studs using a stud finder or by tapping the wall. Draw a level line between the two wall studs. Place the dishes between the two marked studs with the flange walls flush against the wall and trace the outline of the niche on the wall. Be sure the top and bottom lines are level. Cut out the wall board along the traced lines between the two studs using a drywall saw and utility knife.

Measure the distance between vertical studs. (Please note that the distance between the center lines of adjacent studs generally is 16 inches and the niche is designed for that condition.) If the distance is greater than 16 inches, fix vertical framing to one or both of the vertical studs to accommodate the size of the soap dishes. If less than 16 inches, widen the framing to accommodate the soap dishes. Measure and cut top and bottom horizontal support brackets to both adjacent vertical studs so that the vertical dimension between the horizontal support framing matches the vertical dimension of the predrilled fastening holes on the dishes flange. Place the dishes in between the framing. Level and mechanically fasten the dishes using one framing screw in each pre-drilled hole. Install your drywall or tile backer board around the dishes so it's in accordance with industry standards. Take 100 % waterproofing silicone (Waterproofing and Crack-Isolation Membrane* Not included) and seal the gap between the wall board and the dishes and each of the screw holes. Now apply your setting material and set your tile, marble or stone directly to dishes surface.

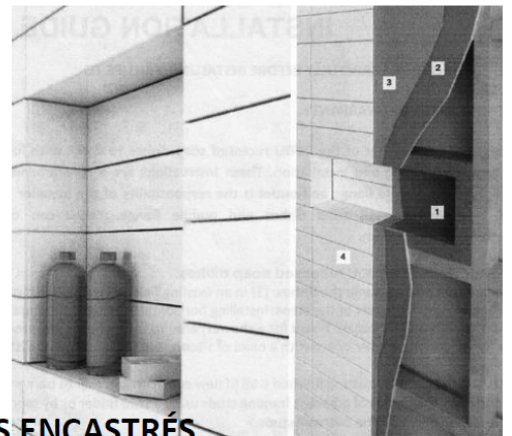
Working with one of our double, triple or quadruple combination model? Simply place your additional dishes directly beside, above or below each other. We recommend you complete framing for all dishes before beginning to screw any in.

WARRANTY

The recessed soap dishes come with a 1 year manufacturer's warranty against faulty material and workmanship. Failure to follow these instructions will void the warranty. Installation instructions are a recommendation and local building codes must be checked prior to commencement of work. **No refund and warranty on installation.**

- 1-Screw soap dishes to wood frame.
- 2-Prepare the walls with Gib ensuring the soap dish frame is covered.
- 3-Apply approved Waterproofing membrane* to wall and ProFinish Tile shelf.
- 4-One waterproofing is cured tiling can be completed.

N.B.: The recessed soap dishes are made of recycled materials.



GUIDE D'INSTALLATION DES PORTE-SAVONS ENCASTRÉS.

Luxo Marble

10 Street Roger Dorais
St-Remi, Qc. Canada J0L 2L0



Mapelastic AquaDefense



Ready-to-use, ultra-quick drying, flexible liquid membrane for internal and external waterproofing applications



WHERE TO USE

To form waterproofing layers before applying ceramic, stone and mosaic coatings in:

- balconies and terraces;
- bathrooms and shower cubicles;
- laundry rooms;
- saunas and damp environments in general.

Mapelastic AquaDefense may be applied on:

- concrete;
- cementitious screeds and screeds made using special binders (**Topcem**, **Topcem Pronto**, **Mapecem** or **Mapecem Pronto**);
- plasterboard (for internal applications only);
- existing coatings in ceramic, terrazzo and stone;
- cementitious render.

ADVANTAGES

Mapelastic AquaDefense offers the following advantages:

- no drill or mixing tools required, supplied ready-to-use;
- resistant to rainwater 1 hour after applying the first coat and 3 hours after the second coat;
- ceramic coatings may be laid just 4 hours after applying the final coat (times refer to +23°C and 50% relative humidity of the air when the product is applied on dried screeds with a residual moisture lower than 3%).

TECHNICAL CHARACTERISTICS

Mapelastic AquaDefense is a totally solvent-free, ready-to-use ultra-quick drying, one-component light blue synthetic resin based paste in water dispersion.

Mapelastic AquaDefense is easy to apply using a long-haired roller, brush or trowel on horizontal, sloping and vertical surfaces. Mapelastic AquaDefense dries very quickly to form a flexible membrane without a sticky surface. It is resistant to light pedestrian traffic after just 3 hours and forms an excellent grip with all types of adhesive for laying ceramic, stone material and mosaic of all kinds. The flexible nature of Mapelastic AquaDefense helps it withstand normal movements caused by expansion and shrinkage of the substrate due to temperature variations and vibration.

Tiles laid on floors waterproofed with Mapelastic AquaDefense by using C2F-class MAPEI adhesives (such as **Granirapid**, **Elastorapid**, etc.) and grouted with **Ultracolor Plus** may be opened to pedestrian traffic within 12 hours of starting the work. Times refer to the temperature and humidity conditions as indicated before.

Mapelastic AquaDefense is resistant to water, lime-water (ph > 12), water containing chlorine and detergents commonly used for cleaning residential environments.



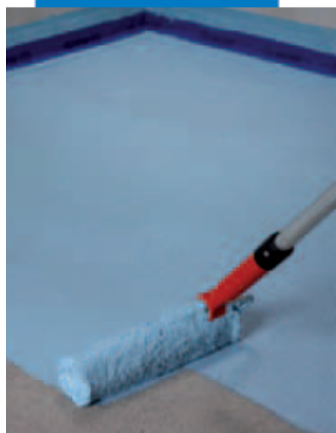
Mapelastic AquaDefense



Impregnating Drain
Vertical fabric
with Mapelastic
AquaDefense



Application of
Mapeband on a
wall-floor fillet joint
with Mapelastic
AquaDefense



Application of the
first coat of Mapelastic
AquaDefense on a
screed

RECOMMENDATIONS

- Do not apply **Mapelastic AquaDefense** if the temperature is lower than +5°C.
- **Mapelastic AquaDefense** must always be covered with ceramic, mosaic or stone.
- Do not apply **Mapelastic AquaDefense** on cementitious substrates or on substrates with residual humidity higher than 3% and recurring rising damp.
- Do not apply **Mapelastic AquaDefense** on crumbly cementitious substrates, old floors which are not well bonded to the substrate or surface treatments which impede a good bond.
- Do not use **Mapelastic AquaDefense** to cover cracks.
- Protect the surface from rain for at least 1 hour after applying the first coat and 3 hours after applying the second coat (times refer to +23°C and 50% relative humidity of the air when the product is applied on dried screeds with a residual moisture lower than 3%).

APPLICATION PROCEDURE

Preparation of the substrate

Substrates must be well-cured, sound, clean, dry and free of oil, grease, cement laitance, old paint and any other substance which could compromise the bond. Cementitious substrates must be stable and dry with no rising damp. Surface dust must be completely removed.

Smoothing and levelling layers may be applied using **Planitop Fast 330** or **Adesilex P4**.

On old ceramic floors with hollowed or empty tile joints, or whenever slopes on surfaces need to be levelled out before spreading on **Mapelastic AquaDefense**, we recommend applying a smoothing and levelling layer using **Adesilex P4**. Substrates in this condition must be thoroughly checked and all coatings, such as wax, water-repellent treatments, etc. must be removed from the surface with a suitable cleaning product and/or by abrasion. If the substrate has micro-cracks, insert **Mapetex Sel** between the two coats of **Mapelastic AquaDefense**.

Before applying **Mapelastic AquaDefense**, pay particular attention to expansion joints and fillet joints between horizontal and vertical surfaces. In such cases, apply **Mapeband** and suitable profiles bonded in place with **Mapelastic AquaDefense**. To waterproof drains on terraces and balconies, use the special kits from the **Drain** range. Structural joints must be waterproofed with **Mapeband TPE** bonded to the substrate with **Adesilex PG4**.

APPLICATION OF THE PRODUCT

Mapelastic AquaDefense must be applied in two even, coats (approx. 0.4 mm per coat) with a long-haired roller,

brush or trowel. Wait until the first coat is dry, making sure the product becomes darker with a matt finish, before applying the second coat diagonally to the first (approximately 1 hour at +23°C and 50% relative humidity of the air and with substrates having residual humidity lower than 3%).

The final thickness of the two coats of **Mapelastic AquaDefense** must be at least 0.8 mm in order to create a robust, flexible and continuous film. Make sure there are no interruptions in the film caused by imperfections in the substrate.

If **Mapelastic AquaDefense** is applied to form an anti-fracture membrane on cracked substrates, we recommend inserting **Mapetex Sel** reinforcement in to the first coat while it is still fresh.

Mapetex Sel must be pressed down with a bubble-breaker roller on the first coat of **Mapelastic AquaDefense** while it is still fresh.

Wait until the first coat is dry then apply the second coat in order to completely embed **Mapetex Sel**.

Drying times may increase as **Mapetex Sel** insertion increases the final thickness of the applied film.

In bathrooms, on balconies, in saunas and Turkish baths, a water-tightness test may be carried out 12 hours after applying the final coat of **Mapelastic AquaDefense**.

Ceramic, stone and mosaic tiles may be laid 4 hours after applying the second coat (at +23°C and 50% relative humidity of the air) using a C2-class MAPEI adhesive according to EN 12004 standards, to be selected according to the final use of the floor or coating. For example, on balconies use **Keraflex Maxi S1** (class C2TE S1). For quickly laying tiles use **Elastorapid** (class C2FTE S2) and for laying all types of mosaic use **Adesilex P10 + Isolastic** mixed with 50% of water (class C2TE S1). Grout tile joints with a special cementitious grout such as **Ultracolor Plus** - class CG2WA, **Keracolor FF**, **Keracolor GG** mixed with **Fugolastic**) or epoxy grout (for example **Kerapoxy**, **Kerapoxy Design** or **Kerapoxy CQ** - class RG). Seal expansion joints with a special MAPEI sealant (such as **Mapesil AC**, **Mapeflex PU20** or **Mapeflex PU50 SL** according to requirements).

Before laying the tiling, carefully check the surface of **Mapelastic AquaDefense** to make sure it is continuous and that there are no pin-holes or small craters. If there

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
Consistency:	paste	
Colour:	light blue	
Density (g/cm ³):	1.30	
pH:	9.5	
Dry solids content:	66	
Brookfield Viscosity (mPa·s):	45,000 (spindle 6 - 10 rpm)	
APPLICATION DATA (at +23°C - 50% R.H.)		
Minimum filming temperature:	+5°C	
Recommended application temperature:	from +5°C to +35°C	
Waiting time between first and second coat:	approximately 60 minutes (when dry to the touch)	
Waiting time before laying coating:	3-4 hours	
Complete drying of 1 mm thick layer:	12 hours	
FINAL PERFORMANCE		
	EN 14891 acceptance range	Performance figures for Mapelastic AquaDefense
Initial bond strength EN 14891-A.6.2 (N/mm²):	> 0.5	1.7
Bond strength after immersion in water (EN 14891-A.6.3) (N/mm²):	> 0.5	> 1.0
Bond strength after application of heat source (EN 14891-A.6.5) (N/mm²):	> 0.5	> 1.8
Bond strength after freeze-thaw cycles (EN 14891-A.6.6) (N/mm²):	> 0.5	> 0.9
Bond strength after immersion in basic water (solution saturated with lime) (EN 14891-A.6.9) (N/mm²):	> 0.5	> 1.3
Bond strength after immersion in sodium hypochlorite solution (EN 14891-A.6.7) (N/mm²):	> 0.5	> 1.2
Crack-bridging ability at +23°C (EN 14891-A.8.2) (mm):	> 0.75	3.2
Crack-bridging ability at -5°C (EN 14891-A.8.3) (mm):	> 0.75	1.6
Impermeability to water under pressure (EN 14891-A.7) (1500 kPa):	no penetration	no penetration



Application by roller of Mapelastic AquaDefense second coat



Application of Mapelastic AquaDefense by brush between floor and wall before applying Mapeband



Bonding tiles on Mapelastic AquaDefense

Bond values according to EN 14891 measured using **Mapelastic AquaDefense** and a C2-type cementitious adhesive according to EN 12004

Mapelastic AquaDefense



are such defects, apply a further coat where they are located.

Cleaning

Mapelastic AquaDefense may be removed easily from tools and surfaces while still fresh with water.

CONSUMPTION

1 kg/m² for two coats (1.3 kg/m² per mm of thickness).

PACKAGING

7.5 kg and 15 kg rectangular cans.

STORAGE

Mapelastic AquaDefense may be stored for up to 24 months in its original packaging in a dry place. Protect from freezing weather.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapelastic AquaDefense is not considered dangerous according to the current regulations regarding the classification of mixtures. It is however recommended to use gloves, eyes protection and to take the usual precautions for handling chemical products.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

**All relevant references
for the product are available
upon request and from
www.mapei.com**

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

2103-9-2014 (GB)