

Data sheet - 19/09/18 update

## Concrete stain & Mineral thinner

### Presentation

#### Areas of use:

Mineral stain for MA micro concrete, cement screed and patching suited for circulation areas. This product may be used for aesthetic corrections on several mineral substrates on condition that the person applying it has carried out tests and has experience in using it. It is recommended to carry out tests beforehand and to follow the advice of our Technical Department.

The product may be applied as a more or less transparent finish depending on the appearance of the concrete and the desired effect.

It enables a penetrating coloration of mineral surfaces, which it protects and decorates.

#### Composition:

Dual floor-silicate binder compliant with AFNOR standard 30808 Family 1 – class 1b1 (organic parts<5%)

#### Properties:

Penetrates and crystallises with the substrate without creating a surface coat Gives depth to the colour well beyond the effect of a mere paint

Hides imperfections and enhances appearance (mineral matt appearance, increased brightness). Increases surface hardness

Protects against runoff water and carbonation

Helps evacuate residual moisture from concrete thanks to its exceptional steam permeability

Water repellent, excellent UV resistance Eco-friendly, solvent- and VOC-free Algicidal and germicidal properties

Very easy to use. Can be thinned significantly to obtain a transparent mineral impregnation.

#### Packaging:

Stain: 1 litre, 5 litres

Thinner: 1 litre and 5 litres

### Application

#### Substrate and substrate preparation:

The substrates must comply with the requirements of French building technical rules (DTU 59.1). They must be clean, sound, dry and absorbent.

The wide variety of substrates and their conditions require specific preparation and possibly the use of specific preparation products. Our teams are on hand to provide you with full information.

Not for use on polished or oiled surfaces.

## Preparation and coverage:

Thin the stain with the mineral stain thinner (see table below). The degree of thinning will depend on the desired transparency.

The stain must never be used undiluted and must be mixed with at least 10% of mineral thinner. Never thin with water.

Colours may be mixed together.

Type of finish	Coverage for 1 coat (ml/m <sup>2</sup> ) on MA micro concrete	Mineral silicate stain (ml/m <sup>2</sup> )	Mineral Thinner (ml/m <sup>2</sup> )
"Opaque"	50	45	5
Thinning 2:1	50	33	17

**Coverage must be adjusted depending on the porosity of the substrate. You may double it if necessary (100 ml/m<sup>2</sup> for 1 coat) for porous substrates.**

## Application conditions:

Temperature	5-30°C
Relative humidity	<80%
Protect from wind, sun, rain and frost during application and setting	

## Application method:

Apply in one coat by hand, using a painting glove, a black cementwork sponge, Planeo levelling tool or a mop pad with random movements more like the application of MA micro concrete rather than with a roller, to avoid creating application marks.

To remove any application marks, after drying you may sand the stain slightly using a 240 grit sandpaper or go over it with a monobrush, using the green pad.

For floor use, the stain must be protected by a finishing product, preferably an IF3 fixative or a grain filler N°5+ varnish No 7 or a grain filler N°5 + HR1 varnish. The stain may be left without a finish on walls especially outdoors.

## Drying time at 20°C and 60% relative humidity:

Between stain coats	At least 12 hours.
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## Drying time before applying finishes:

It is recommended that you wait 24 hours before applying finishes (Data provided for guidance only. To be adapted depending on ambient temperature and humidity conditions). 4 possible finishes (see the data sheets of these products):

### Interior finishes:

- IF3 Fixative
- Grain filler No. 5 + varnish N°7
- Grain filler No.5 + HR1 varnish

### Exterior finish:

- Terrace Impregnator No. 2

To avoid whitened surfaces, you must use Grain filler No. 5 before HR1 varnish and varnish No. 7.

## Tool cleaning:

Water

## Technical characteristics and performances

### Product appearance:

Mineral stain: deep mineral matt  
Thinner: milky white liquid

### Density:

Mineral stain (at 20°C): 1.20 g/cm<sup>3</sup>  
Thinner (at 20°C): 1.05 g/cm<sup>3</sup>

Resistance to steam diffusion: Sd= 0.02m

Liquid water permeability: w= 0.05 kg/(m<sup>2</sup>.h0.5)

Thinner pH: ~11

Other data: -

## Storage and safety

1 year shelf life in its unopened original packaging, away from sunlight and frost, at a temperature of between

+5° and 35°C

Check the best-before-date on the packaging before use.

For additional safety information, consult the safety data sheet.

*All the information in this technical sheet is given for information only and shall not incur our responsibility. Always test products before use. Refer to the safety data sheet for any additional information on use precautions and safety instructions.*