High build bicomponent epoxy resin
Colourless, light smell and great multi-purpose use
Do not close the container again
once the product has been mixed

PURPOSE

High build (> 98 %) colourless epoxy resin. Multi-purpose use:
* Adhesion primer before epoxy or polyurethane finish. Ideal for REVALPA waterproofing processes and epoxy technical coatings without solvent such as ULTRASOL FORTE ÉPAISSEUR, PARKING and AUTOLISSANT
* Elaboration of pore-filling for porous concrete before flooring such as ULTRASOL AUTOLISSANT (prevents holes in the flooring).
* Elaboration of non-retractable epoxy mortar. Ideal for correction of evenness, hole filling reshaping of damaged surfaces, repairing of concrete shards (visible steels, spawls), etc. Suitable for floorings, vertical surfaces and slab soffits.
* Elaboration of specific devices such as coved skirtings, draining channels, manholes, drainage junctions, splitter joints to be reshaped, etc.

SOL 300 can also be used as vapour barrier on all sites where the surface can generate problems of rises of capillary humidity, namely over concrete paving for curbs. It helps avoiding blistering phenomena and the disbonding of soft membranes such as plastic, rubber or lino flooring
N.B: The surface must no be subjected to hydrostatic counter-pressures
Also suitable as transparent anti-dust varnish over surfaces whose original aspect is to be preserved.
This product may vary in shade (colourless to yellowing) depending on its exposure to UV rays.
Application in one or two coats depending on surface's porosity and stress of use.
A preliminary test enables to evaluate the desired finish aspect.

SURFACES

Surfaced concrete, cement cappings or slabs
Metall accessories (free from powdery oxidation or as plates)
Hydrocarbon floors (coated, asphalt, bituminous concrete)
Asbestos-cement and fibre-cement boards, wooden boards, floorboards, old adhesive paints in good condition

MAIN FEATURES

ADHESION PRIMER, PORE FILLING
* Excellent adhesion base for epoxy (or polyurethane) finishes
* Efficient protection against concrete degassing
* Anti-humidity barrier for the treatment of moist floors
* Very weak solvent rate: almost odourless when applied, comfortable and safe use, environmentally friendly, suited to traffic and solvent-prohibited areas

REPARATION MORTAR
* Allows large load values (low viscosity, high wetting power)
* Fast hardening and retraction-free
* High mechanic resistance (hard, shock-, compression- and wear-resistant)
* Rapidly recoatable (no water introduced in the surface)
* Easy application, good refractory life over vertical and soffit surfaces (thickness < 1 cm)
* Restores membranes' protection and stops carbonation phenomena (pH alkaline)
* Ideal for repair works in agressive environments (chemical resistance)
* Compatible with all paints or floor covers

IDENTIFICATION CHARACTERISTICS

In accordance with official standards or, if none applicable, with internal standards
The indicated characteristics apply after mixture of both components

Aspect
Two pre-dosed elements to mix when about to use
Ratio A/B: 28/72 in weight and volume
Practical usable life of the mixture: ca. 30 mins by 20°C
Time reduced by higher temperature or with greater quantity of mixed product

Dry matter
> 98 %

Density
1.09 ± 0.05

Flash point
n/a

VOC concentrations
Max. 18 g/l. EU threshold value for this product (cat A/j): 500 g/l

Dry time (20°C, 65 % RH)
* Primer: sheltered from dust: 6 hrs - dry: 8 hrs
  Recoatable: 24/72 hrs (beyond this time, ginning/dusting and new impression)
* Reparation mortar: recoatable: 24 hrs - complete resistance: 1 week

Significant disturbance of the drying process and performances if T (ambient + surface) <10°C

Coverage
* Primer: 3 to 5 sqm/l depending on bases' porosity. Up to 10 sqm/l over closed surface
* Repairing works: ± 2 kg mortar/l of volume to fill per thickness mm

Classification
NF T36-005: family I class 6b

USE

Surfaces, preparatory work and application conditions must comply with the applicable standards/DTU (French standards).

BASE PREPARATION

Bases must be sound, cohesive and consistent with the product application.
They may be slightly moist but not wet (matt aspect of the surface)
They must not show rises of capillary humidity.
They must be exempt from cement laitance, non adhesive and friable parts, old incompatible coating and from all dirt in general (oil, rubber traces, etc.)

* NEW CONCRETE: careful dusting. “Opening" of non-absorbent floors through mechanic preparation or chemical pickling (DÉTERGENT DÉROCHANT), rinsing, drying
* OLD BASES: removal of dirt and parts coming off through sweeping, brushing. Degreasing if necessary with NETTOYANT MULTIUSAGES, rinsing, drying. Complementary mechanic preparation if cohesion failures or significant strain (blasting, rubbing, sanding) Repair, reworking of evenness with resin mortar such as MORTIER SOL 300 (drying 24 hrs)
* OLD PAINTS (in good condition): light sanding / dusting or caulk leaching
* METAL PARTS: degreasing, rust and scale removal. Impression PRIMAIRE PEP (outdoors).

PRODUCT APPLICATION

Adhesion primer, Vapour barrier primer

Incorporate the pre-dosed A part in the B part by slow mixing until obtaining a homogenous mix. Mixer essential for large conditioning. Product ready-for-use after mixing the two components. Use the prepared mixture within 30 mins Apply without stretching to obtain a regular and uniform glossy film (medium size roller, brush)
Recoat for use as vapour barrier (minimum 2 x 300 g/sqm)

Pore filling
Levelling

Preparation through addition of silica to the SOL 300 mixture (A + B). See table. Scraper application Ca. 300 g/sqm in case of residual presence of pop-outs over very porous concretes already imprinted Primaire SOL 300. Compulsory before floor thick coating such as ULTRASOL AL

Reparation mortar

Mortar preparation through addition if silica to the SOL 300 mixture (A+B). See table. Mix until obtaining a homogeneous, lumpfree and perfectly moist paste
Usable life of the mixture: ca. 1 hr by 20°C depending on quantity prepared
The rate and grain size of the silicas depends on the nature of the works. To be adapted to desired consistency.

Application examples	SOL 300 (1L =1 kg)	SILICA (1L = ± 1.5 kg)	Reparation thickness
Levelling, pore filling, raking, etc.	1 L	1.2 to 1.5 kg HN 38	300 to 600 g/sqm over SOL 300 imprinted surface
Smoothing, coved skirting, etc.	1 L	4 to 5 kg HN 31	up to 20 mm over SOL 300 imprinted surface
Level adjustment, slope shapes, repairs for all thicknesses, joint reshaping, joint fits, junctions, etc	1 L	10 to 12 kg SC 0.1/2	Min. 3 mm, up to 50 mm Repairing areas when wet with fresh SOL 300 (let it stretch a few mins)

Equipment

Trowel, float trowel, scraper (levelling)

Equipment cleaning

DILUANT R or REX, immediately after use

Practical advice

* Application conditions:
  . Ambient and surface temperature above 10°C (caution if T > 35°C)
  . Relative humidity below 80 %
  . Dry and condensation-free surface (surface temperature > dew point by min. 3°C)
* Respect the recoat time between layers

COLOURS

Colourless

PACKAGING

Pre-dosed pack A + B: 1 L - 4 L - 10 L

CONSERVATION

12 months in unopened original packaging. Store in a cool and ventilated room. Do not close the container again once the product has been mixed.

HEALTH AND SAFETY

Refer to:
* The safety information label on the packaging
* Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: www.zolpan.fr

Technical Data Sheet **n° 2221**
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NB: Cancels and supersedes previous editions. It is our customers' responsibility to check that they have, the latest version before using the product.
The information given in this sheet only has an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.

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