

ALSAN[®] 500



1 PRESENTATION

ALSAN[®] 500 is a single-component, ready-to-use UV resistant watertight polyurethane resin and directly accessible by pedestrians.

ALSAN[®] 500 has CE marking according to the European Technical Approvals.

2 CHARACTERISTICS

In compliance with current standards or internal standards.

	ALSAN[®] 500
Physical state	Self-leveling semi-fluid paste, satin aspect once dry
Standard colours*	RAL 1001 (beige), RAL 1014 (ivory) RAL 7032 (pebble grey), RAL 7040 (window grey) *More colours available on request
Wet mass density at 25°C	1150 kg/m ³ (± 50)
Viscosity	30 Po (± 10)
Solid content (by weight)	75 % (± 5)
Flash point	< 21°C
Flammability	Easily flammable
Drying time	12 to 48 hours depending on temperature Accessible after 72 hours
Classification AFNOR NF T 36-055	Family I, Class 6a

Viscosity is given for informative purposes, being a single component, it may tend to evolve.

3 PACKAGING AND CONSUMPTION

Cans: 5 kg or 25 kg.

Storage: 12 months in original, unopened container turned upside-down, away from any source of heat. Storage temperature: >5°C.

Approximate consumptions:

For corners and details only:

Corner reinforcement: (Alsán[®] Toile de Renfort or Voile de Renfort fleece) embedded with Alsán[®] 500 Colle (500 g/m²) to be covered by the main area.



TECHNICAL DATA SHEET

DTE 11-007_EN CE cancels and replaces DTE-09/074_EN CE

Main area: (to applied on corners and roof)

- 2 layers of 750g/m² (normal traffic)
- 3 layers of 600g/m² (intensive traffic)



4 USER'S APPLICATION

ALSAN[®] 500 is the main constituent in the **ALSAN[®] 500**, Liquid Waterproofing System procedure, to be use without additional protection.

ALSAN[®] 500 complies with APSEL rules according to SE2, SE4 requirements and **ETAG 005**.

Specific indications regarding the application of the product can be found by referring to the technical instructions for:

- Waterproofing for domes, cornices, arches, gutters...
- Waterproofing for concrete bleachers
- Renovation of old waterproofing membranes or asphalt
- Renovation of metal decking or fibre-cement flat sheets

5 INSTALLATION

Product must be applied with a brush or roller, according to technical instructions, from 2 to 3 layers onto primer-covered surfaces.

Product must be well mixed in order to obtain a proper homogenisation of components.

Product cleaning: **Diluant V** or **Diluant L** (thinners).

6 SPECIAL INDICATIONS

Hygiene, health and environment:

- Flammable: ensure that all cans, empty or full, of flammable substances are at least 10 m away.
- Contains isocyanates. When using, do not smoke, drink or eat. Refer to instructions.
- Do not breathe in fumes and avoid skin contact.
- In case of ingestion, do not make the subject vomit: immediately consult a specialist and produce the package of substance.
- Keep product away from any flames or sparks – do not smoke.
- Only use in well-ventilated areas.

For more information, please refer to the relevant Safety data Sheet.

Quality control:

SOPREMA has always attached the highest importance to Quality Control. For this reason, we operate an internationally recognized Quality System according to **ISO 9001: 2008** with the system being independently monitored and certified by **BSI**.



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7 CE MARKING

ALSAN[®] 500 is used in the **ALSAN[®] 500** waterproofing kit, which conforms to an European Technical Approval ETA-05/0151, confirmed by the CE marking.
Basic information about CE marking can be found below:

 CSTB 0679	
ALSAN[®] 500 SOPREMA B.P. 21 – 14 Rue de St-Nazaire 67026 STRASBOURG Cedex 1 06	
ETA-05/0151 Complies with ETAG 005 Part 1 and Part 6 Validity from 11/10/2010 to 11/10/2015	
Minimum layer thickness :	1,1 mm
Water vapour diffusion resistance factor :	$\mu \approx 1302 (\geq 650)$
Resistance to wind loads :	≥ 50 kPa for concrete substrate
Resistance to spreading fire and radiant heat :	class F (no performance determined)
Reaction to fire :	class F (no determined performances)
Statement on dangerous substances :	does not contain dangerous substances
Slipping resistance :	no determined performance
<u>Levels of use categories according to ETAG 005 in reference to :</u>	
Expecting working life :	W2 (10 years)
Climatic zones :	S (Severe climate)
Imposed loads :	P3
Roof slope :	S1 to S4
Lowest surface temperature :	TL4
Highest surface temperature :	TH3

More characteristics are described in European Technical Approvals of ALSAN 500 n° ETA 05-0151 and 05-0111



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