

ALSAN[®] 400



1 PRESENTATION

ALSAN[®] 400 is a single-component, ready-to-use watertight polyurethane resin, to be completed with an additional protection.

ALSAN[®] 400 has CE marking according to the European Technical Approval.

2 CHARACTERISTICS

	ALSAN[®] 400
Physical state	Thixotropic, light brown paste
Wet mass density at 20°C (NFT 30-020)	1110 kg/m ³ (±20)
Viscosity at 20°C (NFT 30-029)	13000 CPo (±20)
Solid content	75 % (±2)
Flash point (NFT 60-118)	> 6°C
Flammability	Easily flammable
Drying time	2 to 12 hours depending on temperature
Classification AFNOR NF T 36-005	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: (Alsan[®] Toile de Renfort or Voile de Renfort fleece) embedded with Alsan[®] 400 (500 g/m²) to be covered by the main area.

Main area: (to applied on corners and roof)

2 layers of 750g/m²





4 USER'S APPLICATION

ALSAN® 400 is the main constituent in the **ALSAN® 400**, Liquid Waterproofing System procedure, which requires a protection layer accessible for pedestrian: tile adhesive with glue mortar or concrete (use silica on the last fresh layer) or mortar screed.

ALSAN® 400 complies with APSEL rules according to SE3, SE5 and SP2 requirements and ETAG 005.

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

- Waterproofing for intermediate slabs
- Waterproofing on walls
- Waterproofing on roofs

For new work or renovation.

5 INSTALLATION

ALSAN® 400 must be applied with a brush or a roller, according to technical instructions on onto primer-covered surfaces. Silica will be used on the last fresh layer of Alsan® 400 to increase adherence with adhesive mortar.

Ensure that the product is well mixed in order to obtain a proper homogenization of components. Product cleaning: use **Diluant V** or **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**.




TECHNICAL DATA SHEET

DTE 11-005_EN CE cancels and replaces DTE-09/071_EN CE

7 CE MARKING

ALSAN® 400 is used in the ALSAN® 400 waterproofing kit, which conforms to an European Technical Approval ETA-05/0007, confirmed by the CE marking.

Basic information about CE marking can be found below:

 CSTB 0679	
ALSAN® 400 SOPREMA B.P. 21 – 14 Rue de St-Nazaire 67026 STRASBOURG Cedex 1 06	
ETA-05/0007 Complies with ETAG 005 Part 1 and Part 6 Validity from 13/04/2010 to 12/04/2015	
Minimum layer thickness :	1,1 mm
Water vapour diffusion resistance factor :	$\mu \approx 780 (\geq 650)$
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 any
Resistance to slipperiness :	no performance determined
<u>Levels of use categories according to ETAG 005 with relation to :</u>	
Expecting working life :	W2 (10 years)
Climatic zones :	S (Severe climate)
Imposed loads :	P1 (ALSAN 400 always under protection layer)
Roof slope :	S1 to S4
Lowest surface temperature :	TL4
Highest surface temperature :	TH2

More characteristics are described in the European Technical Approval of ALSAN 410 n° ETA-05-0007



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