

ALSAN 770 AB

Description

ALSAN 770 AB is the spray version of ALSAN 770 developed for the use with an Airless unit. The resin is used in conjunction with the reinforcement fleece ALSAN FLEECE P, to create a durable and reliable waterproofing membrane. The installation method is particularly suitable for large surfaces.

Material

3-components, fast-curing and highly flexible PMMA-based (polymethyl methacrylate) waterproofing resin.

Properties

- developed for the use with an Airless unit
- advantageous for the use on large surfaces
- highly flexible and crack-bridging even at extreme sub-zero temperatures
- permanently weather-resistant
- UV, hydrolysis and alkali resistant
- fully bonded to the substrate, therefore no water ingress
- easy and fast application
- the most complex roof penetrations can be securely incorporated into the seamless waterproofing system
- fast-curing
- can also be applied at sub zero temperatures
- can be applied to almost all substrates, including substrates of variable materials (in combination with the right ALSAN PMMA primer)
- solvent-free

Application

ALSAN 770 AB is applied together with ALSAN FLEECE P reinforcement for the waterproofing of large surfaces (roofs, car parks, ...). It is not suitable for detail works and sealing expansion joints.

Packaging

ALSAN 770 AB exists in a "winter" and "summer" version. The choice is made in function of the surface temperature (see section: Reaction times and required amounts of catalyst).

ALSAN 770 AB winter

115 kg
120 kg
235 kg

ALSAN 770 AB summer

115 kg
120 kg
235 kg

ALSAN 770 A
ALSAN 770 B

ALSAN 770 AB is supplied without ALSAN 070 catalyst.

SOPREMA UK Limited and **SOPREMA Limited** reserve the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

Colours

ALSAN 770 AB is by default available in RAL 7032 (pebble grey)
Other colours are available on request.

Storage

Store in original sealed packaging in a cool, dry and frost-free place. Avoid warm storage areas (> 30 °C) even for brief periods, for example on site. Consequently the products must not be exposed to direct sunlight or kept in a vehicle. Unopened products have a shelf life of at least 12 months. After opening, reseal the packaging so it is completely airtight.

Product application

Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range in °C		
	Air	Substrate *	Resins
ALSAN 770 AB	-5 to +35	-5 to +50*	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

When the material is being sprinkled over (p. ex. ALSAN QUARTZ SAND or ALSAN DECO CHIPS) the substrate temperature has to be at least +3 °C to ensure a proper curing.

Moisture

The relative humidity must be ≤ 90 %.

The surface must be protected from moisture until the resin has hardened.

Ensure good ventilation during application and the curing process.

Reaction times & required amounts of catalyst

	ALSAN 770 AB (at 20 °C, 2 % catalyst)
Pot life	approx. 15 min.
Rain proof after	approx. 30 min.
Can be walked on / over coated after	approx. 1 h.
Curing time	approx. 3 h.

Higher temperatures will reduce reaction times, while lower temperatures will increase reaction times.

The following table indicates the version of **ALSAN 770 AB** and the recommended amount of catalyst to be used.

Substrate temperature (°C)	-5 to +15 °C	+15 to +50 °C
Version	ALSAN 770 AB winter	ALSAN 770 AB summer
Amount of catalyst	5 kg	

For each batch of 235 kg **ALSAN 770 AB** (115 kg **ALSAN 770 A**) 5 kg of catalyst should be used. Always add the catalyst to the **ALSAN 770 A** component (a hardening reaction will be provoked when added to component B).

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Consumption

- as waterproofing membrane underneath finishing: 2,5 – 3,0 kg/m²
- as waterproofing membrane 4,0 kg/m²

Technical data

Density: 1,22 g/cm³

Application conditions

Application equipment / tools

Mixing of the product:

- suitable mixer (ex. paint mixer)

Applying of the product:

- sheepskin roller
- smoothing towel
- 2 component Airless unit with a 1:1 blend ratio

Important:

Be aware that at no time any mixing up of the components may occur because this can lead to a hardening reaction which will prevent the optimal function of the Airless unit. Therefore it is important to split up all tools and equipment (mixers, rollers, packaging, ...) so no contamination by another product can occur.

Substrate preparation

ALSAN 770 AB must only be applied to a prepared substrate.

Please refer to the appropriate application guide for information about correct surface preparation.

Mixing

ALSAN 770 A

First stir the tub contents thoroughly. Then add the catalyst while stirring at a low speed for 5 minutes.

Make sure that all material on the side and base of the tub is mixed in. At temperatures below 10 °C the product should be stirred for 10 minutes as the catalyst will take longer to dissolve.

With catalyst mixed **ALSAN 770** has a limited shelf live. Therefore it is advisable to use the product within 24 hours and store in a cool place protected from sunlight. Thickened product is no longer usable.

ALSAN 770 B

Stir the tub content thoroughly (NEVER add catalyst).

Application

Use the Airless unit to apply an even layer of material of at least 1,5 kg/m² to the entire area.

Place immediately after smoothing out with the roller the ALSAN FLEECE P reinforcement and use the sheepskin roller to remove any air bubbles.

Embed the fleece straightaway (wet in wet) with a second layer of material of at least 1 kg/m² and smooth out immediately with the sheepskin roller.

Fleece overlaps must be at least 5 cm wide.

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Cleaning

When work is interrupted or completed, clean the tools thoroughly with ALSAN 076 cleaning agent within the pot life of the material (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the cleaning agent has fully evaporated.

Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

Special indications

Hygiene, health and Environment

For more information, please refer to the relevant safety data sheet.

Quality and Environment Management

SOPREMA has always attached the highest importance to the quality of the products and the environment.

For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.



General information

The above information, in particular the product application information, is based on extensive development and many years of experience. It's provided to the best of our knowledge. However, the wide range of requirements and conditions on site means that it may be necessary for the product to be tested under those conditions to ensure that it is suitable for the intended purpose. For further information and questions, contact **SOPREMA**.

Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology and improvements to our products.



Marnix DERKS
Technical Director

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