

# TECHNICAL DATA SHEET BETF\_WPLFR109.b.ENG cancels and replaces FT\_WPLFR109.a.EN

## **ALSAN 074**

**ALSAN 074** is a PMMA based fast-curing and flexible product used to fill small cracks and joints as well as to smooth out areas of minor unevenness. It is used mainly to prepare the substrate before ALSAN PMMA resins are applied.

| Material ————————————————————————————————————   |
|---|
| 2-component, PMMA based (polymethyl methacrylate) fast-curing, filled and flexible surfacer.  |
|   |
| Properties —  |
| - Easy to apply   |
| - Can be applied at sub zero temperatures   |
| - Fast-curing   |
| - Hydrolysis and alkali resistant<br>- Solvent-free   |
| Solvent nee   |
|   |
| Application —   |
| ALSAN 074 is used to fill small cracks and joints in order to prepare the substrate before ALSAN PMMA resins are applied. The product can also be used to smooth out fleece overlaps in the waterproofing layer.  Packaging |
| Packaging —   |
| Can of 5 or 10 kg.  |
| ALSAN 074 is supplied without ALSAN 070 catalyst.   |
|   |
| Colours —   |
| ALSAN 074 is pebble grey (RAL 7032).  |
|   |
| Storage —   |

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.

Store in original sealed packaging in a cool, dry and frost-free place. Avoid warm storage areas (> 30 °C)

SOPREMA UK Limited reserves 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.





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## **Product application**

#### **Temperatures**

The product can be applied within the following temperature ranges:

| Product   | Temperature range in °C |             |           |  |  |  |  |  |  |
|-----------|-------------------------|-------------|-----------|--|--|--|--|--|--|
|           | Air                     | Substrate * | Resins    |  |  |  |  |  |  |
| ALSAN 074 | -5 to +35               | -5 to +50*  | +3 to +30 |  |  |  |  |  |  |

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

#### **Moisture**

The relative humidity must be  $\leq$  90 %.

The surface to be coated must be dry.

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

Substrates, e.g. young concrete, containing residual moisture can be coated provided it has set sufficiently and the substrate is properly prepared.

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

### Reaction times & required amounts of catalyst-

|                                      | ALSAN 074 (at 20 °C, 3% catalyst) |
|--------------------------------------|-----------------------------------|
| Pot life                             | approx. 15 min.                   |
| Rain proof after                     | approx. 30 min.                   |
| Can be walked on / over coated after | approx. 30 min.                   |
| Curing time                          | approx. 3 h.                      |

Higher temperatures or greater proportions of catalyst will reduce reaction times, while lower temperatures and smaller proportions of catalyst will increase reaction times.

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

| Substrate temperature in °C, required amount of catalyst in % (reference values) |    |    |    |    |    |    |    |    |    |    |    |    |
|--|----|----|----|----|----|----|----|----|----|----|----|----|
| -10  | -5 | +3 | 5  | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| -  | -  | 4% | 4% | 4% | 2% | 2% | 2% | 2% | 2% | 1% | 1% | 1% |

## **Consumption** -

**Substrate**Smoothing fleece overlaps
Filling

**Consumption** 0.30 kg/m run

1.5 - 2 kg/m²/mm

#### Technical data

Density: 1.71 g/cm<sup>3</sup>

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## **Application conditions**

#### Application equipment / tools

Mixing of the product:

- Suitable mixer (ex. paint mixer)

#### Applying of the product:

- Smoothing trowel or finishing trowel

#### **Substrate preparation**

**ALSAN 074** is applied to the hardened ALSAN PMMA Primers. See technical guidelines of the primer.

#### Mixing

First stir the tub contents thoroughly. Then add the catalyst whilst stirring at a low speed for 2 minutes. Make sure that all material on the side and base of the pot is mixed in. At temperatures below 10 °C the product should be stirred for 4 minutes as the catalyst will take longer to dissolve.

#### Application

Fill in small cracks or joints using a pointing trowel or finishing trowel. Use the pointing trowel to smooth over minor differences in height.

#### Preparation for subsequent layers

None required.

### Cleaning

When work is interrupted or completed, clean the tools thoroughly with ALSAN 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.

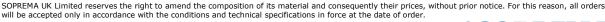
## Safety information & risks-

Please refer to the safety data sheet for the relevant product.

## Quality

**SOPREMA** has always attached the highest importance to Quality Control. For this reason, we operate an independently monitored Quality Assurance System in line with **EN ISO 9001:2008** and **EN ISO 14001:2004**.









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### **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