Liquid Waterproofing

# Product Data Sheet

## Starcoat PMMA Filler

**Starcoat PMMA Filler is a fast-reactive and flexible product used to fill small cracks and joints as well as to smooth out areas of minor unevenness. It is designed principally to prepare the substrate before the application of Axter Starcoat PMMA liquid waterproofing systems.**

### Material

2-component, fast-reactive, flexible PMMA-based (polymethyl-methacrylate) filler.

### Properties and advantages

- Easy to apply
- Can be applied at sub-zero temperatures
- Hydrolysis- and alkali-resistant
- Fast-curing
- Solvent-free

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## Areas of Application

Starcoat PMMA Filler is used to fill small cracks and joints in order to prepare the substrate prior to the application of Starcoat PMMA liquid waterproofing products. The Filler can also be used to smooth out fleece overlaps in the waterproofing.

## Packaging

| Summer | | Winter | |
|---|---|---|---|
| 5.00 kg | Starcoat PMMA Filler | 5.00 kg | Starcoat PMMA Filler |
| 0.20 kg | Starcoat PMMA Catalyst (2 x 0.1 kg) | 0.30 kg | Starcoat PMMA Catalyst (3 x 0.1 kg) |
| **5.20 kg** | | **5.30kg** | |

| Summer | | Winter | |
|---|---|---|---|
| 10.00 kg | Starcoat PMMA Filler | 10.00 kg | Starcoat PMMA Filler |
| 0.30 kg | Starcoat PMMA Catalyst (3 x 0.1 kg) | 0.60 kg | Starcoat PMMA Catalyst (6 x 0.1 kg) |
| **10.30 kg** | | **10.60kg** | |

## Colours

Starcoat PMMA Filler is available in the following standard colour:
RAL 7032 Pebble Grey

## Storage

The product should be stored sealed in its original airtight container and in a cool, dry, frost-free place. Unopened products have a shelf life of at least 6 months. Direct sunlight on containers should be avoided, including on site. After removing some of the contents, reseal containers to ensure they are airtight.

## Application conditions

## Temperatures

The product can be applied within the following temperature ranges:

| Product | Temperature range in °C | | |
|---|---|---|---|
| | Air | Substrate* | Material |
| Starcoat PMMA Filler | -5 to +35 | +3 to + 50* | +3 to +30 |

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

## Moisture

The relative humidity must be ≤ 90 %. The surface to be coated must be dry and ice-free and protected from moisture until the coating has hardened.

### Reaction times and required amounts of catalyst

| | Starcoat PMMA Filler (at 20°C, 3% Starcoat PMMA catalyst) |
|---|---|
| Pot life | approx. 15 minutes |
| Rain-proof after | approx. 30 minutes |
| Can be walked on / overcoated after | approx. 45 minutes |
| Curing time | approx. 3 hours |

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

The following table indicates the recommended amount of Starcoat PMMA Catalyst required to adjust the curing reaction to the temperature.

| Product | Substrate temperature in °C / required amounts of Starcoat PMMA Catalyst in % (guide) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Starcoat PMMA Filler | -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 rates

| Substrate | Consumption |
|---|---|
| Smoothing fleece overlaps | 0.30kg/m run |
| Filling | 1.70kg/l |

## Technical Data

| | |
|---|---|
| Density | 1.34 g/cm$^3$ |

## Application

**Application equipment/tools**

For mixing product: Twin paddle stirrer

For applying the product: Smoothing trowel or finishing trowel

**Substrate preparation**

Apply the Starcoat PMMA Filler to the Starcoat PMMA Primer.

**Mixing**

First stir the tub contents thoroughly, then add the Starcoat PMMA Catalyst while stirring at the slow-speed setting and mix for 2 minutes. Ensure the product on the base and sides of the container is well mixed in. At product temperatures <10°C the product should be stirred for 4 minutes as the Starcoat PMMA 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** | If work is interrupted or when it is completed, clean the tools thoroughly with Starcoat PMMA Cleaner within the pot life of the product (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the Starcoat PMMA Cleaner has fully evaporated.<br>Simply immersing the tools in the Cleaner will not prevent the material from hardening. |
| **Safety and risks** | Please refer to the Safety Data Sheets for the products used. |

## General information

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge. However, the wide variety of requirements and conditions on site mean that it is necessary for the product to be tested to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products. Axter Ltd makes no warranties, express or implied, as to the properties and performance under any variations from such conditions in actual construction.