

Product Data Sheet

STARCOAT PMMA REINFORCED FILLER

Starcoat PMMA Reinforced Filler is a highly flexible, fibre-reinforced product used for sealing minor penetrations (e.g. screws) and details, allowing them to be safely incorporated into the main-area waterproofing system.

Material

2-component, fibre-filled, fast-reactive, highly flexible, thixotropic waterproofing material.

Properties and advantages

- Easy and fast application, even at sub-zero temperatures
- Allows incorporation of small, complex details into the seamless Starcoat PMMA liquid waterproofing system
- Fast-curing
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Fully bonded to the substrate, resulting in no water flow paths
- Highly flexible, even at extreme sub-temperatures
- Solvent-free
- Can be applied to almost all substrates, including variable substrates (when combine with Starcoat PMMA Primers)

Areas of Application

Starcoat PMMA Reinforced Filler is used for the waterproofing of small, geometrically complex details with limited crack movement, e.g. screw heads or material interfaces where there is little movement. Its use is restricted to the waterproofing of details that cannot be sealed using fleece-reinforced Starcoat PMMA waterproofing products on account of the shape of those details. These details can be securely incorporated, using the Starcoat PMMA Reinforced Filler, in the fleece-reinforced waterproofing for the main area.

Packaging

Summer		Winter	
5.00 kg	Starcoat PMMA Reinforced Filler	5.00 kg	Starcoat PMMA Reinforced 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		5.30 kg	
Summer		Winter	
10.00 kg	Starcoat PMMA Reinforced Filler	10.00 kg	Starcoat PMMA Reinforced 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		10.60 kg	

Colours

Starcoat PMMA Reinforced 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 Reinforced 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 $\leq 90\%$. 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 W Primer (at 20°C, 3% Starcoat PMMA catalyst)	
Pot life	approx. 10 minutes
Rain-proof after	approx. 20 minutes
Can be walked on / overcoated after	approx. 45 minutes
Curing time	approx. 2 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)												
	-10	-5	3	5	10	15	20	25	30	35	40	45	50
% Starcoat PMMA Reinforced Filler	-	-	6	6	4	4	2	2	2	2	2	2	2

Consumption rates

1.4 kg/m² per mm layer thickness

Technical Data

Density 1.22 g/cm³

Application

Application equipment/tools For mixing product: Twin paddle stirrer

For applying the product: Brush

Substrate preparation Apply the Starcoat PMMA Reinforced Filler to the cured Starcoat PMMA Primer or suitably prepared substrate.

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 $<10^\circ\text{C}$ the product should be stirred for 4 minutes as the Starcoat PMMA Catalyst will take longer to dissolve.

Application

With a brush, apply a thick layer to the detail to be waterproofed and smooth over. Make sure that a layer of thickness of at least 1.5mm is achieved in all areas. If necessary, apply a second layer once the first one has hardened.

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. 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.