

WFP Bitumen Thick Coating 2C



2C-polymer modified bitumen thick coating Fibre-reinforced. According to DIN 18195

Product description

WFP Thick Coating 2C is a two component, fibre-reinforced polymer modified bitumen thick coating based on a special bitumen emulsion (component A) and cement based powder (component B). The product is completely solvent-free. The component A is a polymer modified bitumen emulsion, the component B is a reactive powder. The adding of the reaction powder in the bitumen emulsion effects a faster rain protection and a faster drying. The evaporation of the water content in the emulsion creates a solid, high elastic and watertight sealing. The pasty and stable consistency of the material enables an application in one step by spray or trowel process. WFP Bitumen Thick Coating 2C cannot be re-emulsified even with longer water contact. Furthermore the coating is resistant to commonly occurring substances in soils.

Area of application

The WFP Bitumen Thick Coating 2C is used for waterproofing of exterior basement walls, foundations, floor plates, etc.. The product is suitable for horizontal and vertical areas. WFP Bitumen Thick Coating 2C can also be used as an intermediate coating (under cement floors) on floor plates, balconies and terraces as well as for the adhesion of rigid foam insulation boards. The material adheres to all dry, slightly wet, mineral surfaces, as well as bituminous surfaces.

Properties

- **Two components**
- **Applicable with trowel or spraying device**
- **Fast drying**
- **Fast rain protection**
- **Crack-bridging**
- **Watertight**
- **For adhesion of rigid foam insulation boards**
- **Solvent-free**
- **Thixotropic**
- **Fibre-reinforced**
- **Without lightweight fillers like polystyrene**
- **„Made in Germany“**

Specification

Base:	Polymer modified, fibre-reinforced bitumen emulsion and reaction powder black
Colour:	black
Processing temperature:	> + 5°C until + 35°C
Density:	mixture approx. 1.05 g/cm ³
Crack-bridging:	≥: 2 mm (E DIN 28052-6 at +5°C)
Consistency:	pasty
Processing time:	approx. 1.5 hours at 20°C, higher temperature effects a faster reaction time
Consumption:	approx. 2.0 - 6.0 kg/m ² depending of required protection and surface. non-pressurized water min. 4 kg/m ² pressurized water (up to 3 m water column) min. 5,5 kg/m ² scrap filling approx. 1,5 kg/m ²
Thickness:	1 mm wet film thickness correspond a approx. 0.8 mm dry film thickness max. coating up to 8 mm possible
Setting time:	2 or more days depending on humidity, temperature, thickness and surface

	<p>WFP GmbH Drescherstr. 49 D-71277 Rutesheim</p> <p>13 EN 15814-2012 Unique identification code of the product-type WFP-0802 EN 15814;PMB-CB2, W2A, C2A Polymer modified bituminous thick coating (PMB) for waterproofing of below ground structures</p>
Water tightness	Class W2A
Crack bridging ability	Class CB2
Water resistance	No colouration of the water No debonding from inlay
Flexibility at low temperature	No cracks
Dimensional stability at high temperatures	No sliding or draining down
Reaction to fire	Class E
Resistance to compression	Class C2A
Durability of water tightness and reaction to fire	passed

Delivery form

30 kg bucket (A + B)
18 buckets per pallet

Storage

6 months (frost-free and dry in the original package)

Application

Preparation of the surface

The surface must be dry to slightly moist, stable, and clean. Loose components, soil, release agents, formwork oil, grease and other adhesive reducing layers should be removed before the application of WFP Bitumen Thick Coating 2C. Damaged concrete, plaster, cracks and cavities should be renovated with WFP Multi Mortar first. Burrs and sharp edges have to be removed first. A primer is generally recommended. As a primer a dilution of 1: 5 parts WFP Bitumen Thick 2C (only component A) and water is suitable.

Material

The WFP Bitumen Thick Coating 2 C can be applied with a trowel or spraying device on the primed surface. Before the application re-mix the component A with a slowly rotating mixer. The reaction powder (Component B) must be added portion by portion. Both components are mixed thoroughly with a mixing device (minimum 3 minutes). The material is processable when a homogenous, lump-free mass is obtained. Don't change the mixing ratio. WFP Bitumen Thick Coating 2C cannot be applied under rainy or frosty conditions. In case of rain the surface must be protected.

Firstly a sealing cove must be created with WFP Multi Mortar in the connection of floor/wall. A proper processing is very important in the area of joints, flashings and cappings as well as penetrations. The fresh coating must be protected from sun and rain. We recommend an additional sealing with WFP Crystal Slurry in the area of the wall/floor connection in order to prevent a negative water pressure on the bituminous coating during the construction process.

In case of high water pressure we recommend a reinforcement mesh between the two layers of WFP Bitumen Thick Coating 2C. The coating has to be protected against damages. Drainage layers and protective layers should be applied after the coating has completely dried. If possible, tools and equipment should be cleaned immediately after use or use solvents to clean already dried residue.

Recommended Tools

Notched trowel, spraying device, gloves, safety glasses

Remark

The information complies with the current state of development. There is no claim for completeness. A professional and therefore successful processing of the products is not within our responsibility. We accept a warranty only for the quality of the products, but not for processing. It is the responsibility of the user to evaluate the suitability of our products for its purpose. Preliminary tests are recommended.