

Waterflex Carbon

Carbon-fibre reinforced filler, two-component compound



AREAS OF APPLICATION

Area of application

Bonding	Bonding of base and perimeter insulation boards in the area of splash water and up to a depth of 30 cm below the top ground surface on facades.
Reinforcement	<p>Reinforcing of base and perimeter insulation boards in the area of splash water and up to a depth of 30 cm below the top ground surface on facades.</p> <p>Impact resistance of 20 joules and more for application as a reinforcement layer with at least 2 mm layer thickness and the embedding of fibreglass mesh 32.</p> <p>Reinforcement of window sill decorative profiles; in this case, additional moisture protection is not required</p>
Moisture protection	<p>As a prime coat, slurry or compound layer on reinforcement layers such as Armatop A, AKS, Base, MP among others.</p> <p>Impact resistance of at least 15 joules as a moisture protection on a 3 mm reinforcement layer with Armatop AKS and fibreglass mesh 32.</p> <p>As a coating for the finishing coat in the area of splash water and areas with ground contact</p>
Horizontal sealing underneath window sills	As a horizontal sealing and sealing layer beneath aluminium window sills for their subsequent installation on an alsecco facade insulation system.

PRODUCT PROPERTIES

- Two-component (powder + carbon-fibre reinforced paste-like component)
- Water-repellent
- frost-resistant
- Alkali-resistant
- Water-vapour diffusible
- Alkaline
- Impact resistance of 20 joules and more can be reached as a reinforcement layer and as moisture protection on suitable reinforcement layers 15 joules and more can be reached
- Carbon-fibre reinforced (paste-like component)
- Reliable protection against the penetration of water in the above-mentioned areas of application

TECHNICAL DATA

Indicated fixed values represent average values, which can slightly vary from delivery to delivery due to the application of natural raw materials.

Binder base	Copolymer resin dispersion
Specific gravity	approx. 1,24 g/m ³ (without powder component) approx. 1,35 g/m ³ (mixed 1:1)
Water permeability	w: approx. 0,02 kg/(m ² h ^{1/2}) according to DIN EN 1062-3 class W ₃ (low) according to DIN EN 1062
Diffusion-equivalent air-layer thickness (2,0 mm)	s _d : approx. 2,2 m according to DIN EN ISO 7783
VOC value	EU limit value for the VOC content of this product (cat. A/g): 30 g/l (2010). This product contains < 1 g/l VOC.

APPLICATION INSTRUCTIONS

Substrate pre-treatment	All substrates must be stable, level, clean, dry and free of any residue, which can reduce adhesiveness. Bituminous substrates must be given sufficient evaporation time.
Mixing	1 part by weight of powder component in 1 part by weight paste-like component. Mix with electric mixer or compulsory mixer until obtaining a homogenous, smooth (lump-free) consistency. Can be adjusted to a workable consistency with a max. of 10% water, when being used as a coating. Do not mix more material than can be used within 30 minutes.
Application as adhesive	Use the buttering-floating or beat-spot method. Observe sufficient drying times for adhesive layer thicknesses exceeding 10 mm before applying reinforcement layers. Metals, e.g. titanium zinc, can corrode in the event of direct contact with alkaline mortars.

Application as a reinforcing layer	<p>Apply in a layer thickness of approx. 2-3 mm and comb through using a 10x10 mm notched trowel.</p> <p>Embed fibreglass mesh 32 into the open mortar bed overlapping 10 cm and level using a smoothing trowel.</p> <p>Additionally embed diagonal reinforcement strips or mesh strips (25x25 cm) diagonally in the reinforcement in corner areas of building openings.</p>																
Application as damp-proofing product	<p>As a coating, dilute with a max. of 10% water and apply using a brush (do not fall below the consumption volumes).</p> <p>To be applied as a compound layer in a minimum layer thickness of 2mm (do not fall below the consumption quantities.).</p>																
Consumption	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Area of application</th> <th style="text-align: left;">mixed material</th> </tr> </thead> <tbody> <tr> <td>Adhesive:</td> <td>approx. 4,0 kg/m²</td> </tr> <tr> <td>Reinforcing compound:</td> <td>Layer thickness (wet)</td> </tr> <tr> <td>- on textured surfaces:</td> <td>approx. 4,5 kg/m²</td> </tr> <tr> <td>- on smooth surfaces:</td> <td>approx. 1,4 kg/m²</td> </tr> <tr> <td>Moisture protection:</td> <td>Layer thickness (wet)</td> </tr> <tr> <td>- coating:</td> <td>approx. 1,0 kg/m²</td> </tr> <tr> <td>- compound layer</td> <td>approx. 1,4 kg/m²</td> </tr> </tbody> </table>	Area of application	mixed material	Adhesive:	approx. 4,0 kg/m ²	Reinforcing compound:	Layer thickness (wet)	- on textured surfaces:	approx. 4,5 kg/m ²	- on smooth surfaces:	approx. 1,4 kg/m ²	Moisture protection:	Layer thickness (wet)	- coating:	approx. 1,0 kg/m ²	- compound layer	approx. 1,4 kg/m ²
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Information about the weather	<p>Determine the precise material requirements by means of a trial coating on the object.</p> <p>Do not use on moist substrates.</p> <p>There cannot be temperatures below + 5 °C during application and drying.</p> <p>Do not apply in direct sunlight.</p> <p>In the case of wind, please observe the shorter setting time.</p>																
Reworked	Dependent on temperature and relative humidity.																
Drying time	<p>approx. 24 - 48 hours</p> <p>Dependent on temperature, layer thickness and relative humidity</p>																
Cleaning of tools	In a fresh state with water.																

STORAGE

Shelf life in original sealed packaging of at least 1 year.
Protect against direct sunlight and temperatures > 35 °C.

PACKAGING INFORMATION

Colour	Brown
Packaging unit	Combination container 18 kg net 9 kg liquid component 3 x 3 kg powder component

OTHER INFORMATION

Information on safety	The information provided in the current safety data sheet applies.
Transportation	Not a hazardous material

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.

