Waterflex

Cement-based dispersible filler

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 20 cm below the top ground surface on facades. (Water action class W4-E)
Reinforcement	Reinforcing of base and perimeter insulation boards in the area of splash water and up to a depth of 20 cm below the top ground surface on facades. (Water action class W4-E) 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. Reinforcement of window sill decorative profiles; in this case, additional moisture protection is not required
Moisture protection	As a prime coat, slurry or compound layer on reinforcement layers such as Armatop A, AKS, Base, MP among others. As a coating for the finishing coat in the area of splash water and areas with ground contact
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

- Alkali-resistant
- frost-resistant
- Paste-like
- Reliable protection against the penetration of water in the above-mentioned areas of application
- Water-repellent
- Water-vapour diffusible

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	Aqueous styrene-acrylate copolymer dispersion
Specific gravity	approx. 1,1 g/cm³ without the addition of cement
Water permeability	w: approx. 0,02 kg/(m²$h^{1/2}$) according to DIN EN 1062-3 class W_3 (low) according to DIN EN 1062-1
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 Portland cement CEM II 42,5 R part by weight of Waterflex.Alternatively 1 part by weight Portland cement CEM I 32.5 N may be added. 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 8 % water, when being used as a coating. Do not mix more material than can be applied in 1 - 2 hours at 20 - 25 °C.
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	Apply in a layer thickness of approx. 2 - 3 mm and comb through using a 10 x 10 mm notched trowel.

Embed fibreglass mesh 32 into the open mortar bed overlapping 10 cm and level using a smoothing trowel.

Additionally embed diagonal reinforcement strips or mesh strips (25 x 25 cm) diagonally in the reinforcement in corner areas of building openings.

Application as damp-proofing product

As a coating, dilute with a max. of 8 % water and apply using a brush (do not fall below the consumption volumes).
To be applied as a compound layer in a minimum layer thickness of 2 mm (do not fall below the consumption quantities.).

Application as a sealing under Aluminium windowsills

Install the insulation board and if necessary, insulation wedge according to the window sill slope of 5° degrees. Apply system reinforcement in the area of the window sill and raise the lateral reveal upwards. Execute the bowl-shaped formation of the sealing layer by applying 2 slurry coatings of Waterflex (at least 1 kg/m²). Apply at least 2 cm of Waterflex or up to the height of the raised edge of the edge profile into the lateral reveal.
The window sill is fixed on the sealing using SMART window sill adhesive. The adhesive is applied in wavy lines of beads at a max. distance of 30 cm in the flow direction of the window sill.

Consumption

	original material kg/m² per mm of layer thickness	**mixed material kg/m² per mm of layer thickness**
Adhesive	approx. 2,0	approx. 4,0
Reinforcing compound	approx. 1,3	approx. 2,6
Moisture protection		
as a coating	approx. 0,5	approx. 1,0
as a compound layer	approx. 0,7	approx. 1,4

Determine the precise material requirements by means of a trial coating on the object.

Information about the weather

Do not use on moist substrates.

There cannot be temperatures below + 5 °C during application and drying.

Do not apply in direct sunlight.

In the case of wind, please observe the shorter setting time.

Reworked

Dependent on temperature and relative humidity.

Drying time

approx. 24 - 48 hours

Dependent on temperature, layer thickness and relative humidity

Cleaning of tools

In a fresh state with water.

STORAGE

Shelf life in original sealed packaging of at least 1 year when kept cool, dry and protected against frost.

Protect against direct sunlight and temperatures > 35 °C.

PACKAGING INFORMATION

Colour	White-grey without cement. Cement grey after mixing.
Packaging unit	PP bucket approx. 18 kg net

OTHER INFORMATION

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

alsecco GmbH
Kupferstraße 50
D-36208 Wildeck
Phone 03 69 22 / 88-0
Fax 03 69 22 / 88-330
Internet: www.alsecco.de

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.

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