

ADINGFLEKS

*Acrylate-based highly elastic waterproofing system
Compliant to EN 1504-2/2-2.2 (C)*

Field of Application:

For waterproofing of underground parts of construction buildings exposed to positive hydrostatic pressure, such as: exterior basement wall and floor surfaces, pools, balconies, flat roofs, sanitary blocks, kitchens, laundry rooms, protection of internal and external surfaces of cooling towers, etc.

Properties:

- One-component paste-like compound;
- Excellent elasticity;
- UV stable;
- Non-toxic;
- Resistant to bacteria;
- Easy to apply;
- Excellent adhesion to substrate;
- Economical.

Substrate Preparation:

Adingfleks should be applied on a stable substrate made of concrete, cement mortar, stone, plasterboard sheets, etc. The substrate should be sound, clean, grease-free, dust-free, and without areas of segregation and cracks. If the substrate has areas of segregation or cracks, they should be repaired with Reparatur Malter-F or the epoxy sealant Adingpoks-K. The humidity of the substrate should not be more than 7%, and the temperature of the substrate during application of the Adingfleks material should range between +5°C and +35°C.

Technical Features:

Properties	Method	Declared value
Appearance		Coloured viscous liquid
Density	EN ISO 2811-1	1.5 – 1.56 kg/dm ³
Non-volatile matter content	EN ISO 3251:2003	74 – 80%
Capillary absorption and permeability to water	EN 1602-3	w ≤ 0.1 kg/m ² h ^{1/2}
Water vapour transmission	EN ISO 7783-1	Sd < 5 m – Class I
Bond strength by pull-off test	EN 1542	≥ 1.5 MPa

Application:

In order to obtain a good quality protective layer, the compound should be applied in regular dry film thickness.

The material for the first layer of application should be diluted with 15% water and mixed by using a slow electric mixer (150-300 revolutions/minute) until a completely uniform mixture is obtained. The first layer that has been applied should be allowed to dry before applying the next layer. For the application of the second and third layer, the material may be diluted with up to 8% water.

The material should be applied by using a brush 120-200 mm wide or a wool paint roller in two or three layers or by spraying the material in several layers (pressure 300 bars, spray nozzle no. 6.45 – 8.45 and spraying perpendicularly at a distance of 20 – 30 cm from the substrate on which the waterproofing system is applied. Each new layer should be applied only after the previous layer has fully dried. The time interval between application of the different layers should be 6 – 24 hours depending on the temperature.

Treated surfaces should be protected against rain, strong draught and freezing for a period of at least 48 hours. The temperature during the installation of the waterproofing system should be between 10°C and 30°C.

In case of a substrate in which higher strains and occurrence of cracks are expected, for the purpose of strengthening – reinforcement, it is recommended that Adingfleks should be applied in combination with an alkali-free glass fibre grid (45 gr/m). The grid should be embedded in the first layer immediately after its application by using a trowel. With the second and third layer of application, the thickness of the grid is offset, thus obtaining a monolithic waterproofing system.

Cleaning:

The tools and equipment should be cleaned with water immediately after use.

Consumption:

For three layers: 1.2 – 1.5 kg/m²

When the waterproofing system is reinforced with a grid:

For three layers: 1.8 – 2 kg/m²

Packaging:

In plastic cans of 4 and 20 kg.

Storage:

In a dry area, in original, closed packaging, at temperature between 5°C and 30°C, protected from exposure to direct sunlight. Shelf life: 12 months.

Available in 4 colours (white, RAL1015, RAL5024, RAL7035).

Health hazards: Avoid contact of the product with skin (wear protective gloves). The material is not toxic; however, in case of accidental contact, in the event of contamination of some areas of the skin, wash it immediately with water and soap. If the material splashes into the eyes, immediately rinse the eyes with plenty of water and seek medical advice.

Fire: Adingfleks is non-flammable.

Cleaning and disposal: The old and used packaging should be disposed of in accordance with the local rules and regulations for that type of waste. We recommend that the method of application and the necessary quantities should be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment.