

KERACRETE ADF200

Water-based Polyurethane Waterproofing



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DESCRIPTION

KERACRETE ADF200 is single component water-based Polyurethane waterproofing system. It is applied the coating serves to protect concrete roof, wall from the negative effects of water, UV resistant. KERACRETE ADF200 is available in grey color. It is suitable for use on a variety of construction materials, including concrete mortars, brick wall.



USE

- Roof, terrace, balcony, loggia, external walls.
- Water storage tank, swimming pool, fire tank.
- Prevent water for outside of underground tank.
- Wastewater sewerage system.
- Transport work, irrigation, hydroelectricity.



ADVANTAGES

- Resistant to cracking and continuous waterproofing.
- Resistant to UV and chemical attack.
- Good adhesion, high elasticity.
- Solid structure material.
- Easy to apply, long lifespan, reduce maintenance costs.



STORAGE

6 months from date of manufacture, when be stored correctly in original packaging, avoid sunshine; temperature from 20°C - 40°C.



PACKAGING

KERACRETE ADF200 is supplied in 5kg/pail or 16kg/pail.

PRODUCT PROPERTIES

Weather resistance, no UV	No effect
Preliminary curing time	48 hours
Full curing time	7 days
Percent elongation at break (ASTM D412)	≥ 600%
Shore A hardness (ASTM D2240)	45±10
Adhesion after water immersion (BS EN 14891:2017)	≥ 1.5 MPa
Water impermeability of 150 kPa for 7 days (BS EN 14891:2017)	Waterproofing

COVERAGE



For estimating the quantity of materials required uses the following: 0.2kg/m²

For estimating the quantity of materials required uses when wet 1 mm: 1.5kg/m².

APPLICATION METHOD



Preparation

KERACRETE ADF200 must be applied to concrete surface or wall. The compressive strength of the concrete should be minimum 25 N/mm², minimum tensile strength 1.5 N/mm². The concrete surface should be flat and weak adhesion should be removed by mechanical preparation. Grinding and scratching by high roughness grinding blade machine to reinforce the bond strength. Concrete must be thoroughly cleaned and free from greases and impurities.



Mixing

Should be carried out using a slow speed mixer, no more than 600-rpm and mix a further 2 – 3 minutes before use.



General application guidelines

KERACRETE ADF200 can be applied quickly and easily on the uneven floors.

Using roller to apply or spread mixture over the prepared surface, it can be rolled in many turns to achieve the desired coverage or thickness.

For application by airless spray a single line piston pump with a 20:1 ratio may be used, using a 0.015inch tungsten nozzle tip.



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Notes: Before application, surface should be moistened with water reaches 15%.

CURING

Temp	Curing time to apply next coating	Full Traffic
+20°C	96 h	7 days
+25°C	72 h	6 days
+30°C	24 h	5 days

CLEANING EQUIPMENT



Clean equipment and tools immediately after use by water.

MAINTENANCE



The maintenance process depends on natural conditions, traffic density as well as the requirements of final users. It is not recommended to apply solvent cleaning agents. KERACRETE ADF200 is easily maintained by brush with neutral solution. For heavily contaminated areas, it is recommended using soda with clean water.

SAFETY PRECAUTIONS



Under normal working practices KERACRETE ADF200 is safe to handle and use, but as with all chemical products special precautions should be taken during their handling and use. Where possible, working areas should be well ventilated by providing addition ventilation if required. In poorly ventilated areas vapor protection masks may be necessary. The working area or materials should not be exposed to naked flames, or excessive heat, absolutely no smoking should be allowed in or around the working area. Avoid contact with the skin and eyes, wear suitable protective clothing and barrier creams on exposed parts. Splashes to the skin should be washed off immediately with soapy water do not use solvents. Splashes to the eyes should be rinsed immediately with plenty of water and seek medical advice. For complete information on the nature, handling and use please refer to the current material health and safety data sheet.

