

PRODUCT DATA SHEET

webertec ACE

A low-viscosity, specially blended, acrylic copolymer emulsion-based product with exceptional penetrating properties. It is used for sealing hairline cracks in reinforced concrete, granolithic, mosaic and terrazzo floors and for consolidating hollow floor screeds.

PRODUCT

webertec ACE is a low-viscosity, specially blended, acrylic copolymer emulsion-based product with exceptional penetrating properties. It has been used successfully for sealing hairline cracks in reinforced concrete, granolithic, mosaic and terrazzo floors and for consolidating hollow floor screeds.

Once set, **webertec ACE** has good flexibility and bond strength. Its exceptional penetrating properties enable it to be poured into fine hairline cracks with minimal assistance and penetrate deep into the structure. As the product sets it will seal the crack helping to prevent further ingress of moisture and, provided the cracks are clean, a good bond will be obtained to the surfaces. **webertec ACE**, when set, forms a rubbery mass, and has been used for consolidating hollow floor screeds or renders, often saving their complete removal. Sometimes it is possible to seal larger cracks by repeated applications.

Uses

- Sealing hairline cracks in reinforced concrete
- Sealing cracks in horizontal surfaces such as granolithic, mosaic and terrazzo floors
- Consolidating hollow floor screeds
- Sealing cracks in vertical surfaces
- Re-bonding renders

Features and Benefits

- Ready to use – no mixing required
- Good flexibility
- Excellent bond strength
- Exceptional penetrating properties
- Can be poured into cracks with minimal assistance

TECHNICAL DATA

Minimum film forming temperature	0°C
Viscosity (BS 3900:Pt 6)	Brookfield #2 100RPM - 22.8
Adhesion to concrete	1 N/mm ²
Tensile strength	1.5 N/mm ²
Elongation	500%

Preparations

Cracks and crazed areas should be brushed to remove loose dirt etc. If the area is wet and greasy it is unlikely that good results will be obtained.

Sealing cracks on horizontal surfaces

Fine hairline cracks and crazed areas are best treated by isolating the areas with dams formed from putty, mastic or similar materials as illustrated in diagrammatic form below.

Consolidating hollow floors

If there are no obvious cracks, best results will be achieved by drilling holes through the screed taking care to remove the dust created and forming wells around the holes to ease application – see diagram below.

Sealing cracks in vertical surfaces

Form small cups or wells at short intervals along the length of horizontal cracks with putty, mastic or similar material. Vertical cracks will normally require a cup at the top of the crack as illustrated, but for long lengths additional cups may be required.

For sealing the remainder of the crack, self-adhesive tape is ideally suited on smooth, dry surfaces, but on roughcast or brickwork, tape will not be effective and a suitable mastic, sealant or potters clay is recommended.

Applications

webertec ACE is water-based. It should only be applied to dry surfaces otherwise it will not set. The water content in the product must dry out, either through the surroundings, or evaporate.

For simplicity, apply **webertec ACE** into the crack with a squeeze bottle whenever possible. Top up the cups and ponded areas and do not allow to dry out until treatment is complete. Very rapid penetration of the **webertec ACE** is a sign that it is escaping. If the leak cannot be traced apply **webertec ACE** gradually at 30 minute intervals or longer, which will normally seal the crack. Continue applying **webertec ACE** until no further penetration occurs. To ensure that the areas are effectively sealed, repeat treatment after 24 hours.

Due to its highly penetrative properties, **webertec ACE** can be used to seal very fine cracks. If the crack or gap is too large, set may not take place and the sealer may form a reservoir of liquid. In general terms, cracks or gaps should not exceed 1 mm.

Do not use on cold surfaces where the temperature is less than 5°C

STORAGE AND PACKING

webertec ACE is delivered in 20 L drum. Storage life is 12 months if the product is kept in a dry place. Prevent storage under extreme condition.

HEALTH AND SAFETY

Recommend to wear NOISH approved or equivalent particulate face mask when mixing the material.

Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.

Keep out of reach of children.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

CLEANING & DISPOSAL OF WASTE

Dispose of waste in accordance with legislation.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.