

Sealer for hairline cracks in concrete and treatment of hollow floor screeds

## weber.tec mulsibond

### mulsibond sealer



#### 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

#### About this product

**weber.tec mulsibond** 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, **weber.tec mulsibond** 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. **weber.tec mulsibond**, 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, but **Weber** may have other products more ideally suited to this application. **Weber's** representatives will be pleased to provide further information on the full range of products available.

#### Features and benefits

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

#### Technical data

Minimum film forming temperature	0°C
Capillary rise (0.5 mm diam.)	26 mm
Viscosity (BS 3900:Pt 6)	17 c Stoke
Surface tension (Du Noilly Tensiometer)	34 dyne/cm
Adhesion to concrete	1 N/mm <sup>2</sup>
Elongation	500%

# weber.tec multibond

## Preparation

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.

## Application

**weber.tec multibond** 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 **weber.tec multibond** 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 **weber.tec multibond** is a sign that it is escaping. If the leak cannot be traced apply **weber.tec multibond** gradually at 30 minute intervals or longer, which will normally seal the crack. Continue applying **weber.tec multibond** until no further

penetration occurs. To ensure that the areas are effectively sealed, repeat treatment after 24 hours.

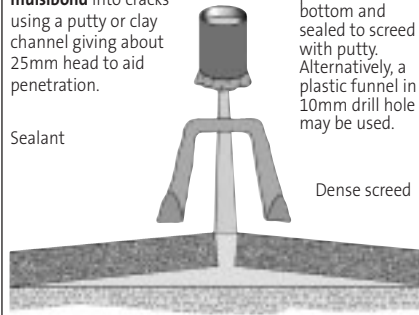
Due to its highly penetrative properties, **weber.tec multibond** can be used to seal very fine cracks. If the crack or gap is too large, set may not take place and the sealer may form a reservoir of liquid. In general terms, cracks or gaps should not exceed 1 mm. For larger gaps up to 2 mm, a 1:1 mixture of limestone dust or silver sand and **weber.tec latex** can be used.

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

### Diagrammatic methods of application

Introduce **weber.tec multibond** into cracks using a putty or clay channel giving about 25mm head to aid penetration.

Sealant



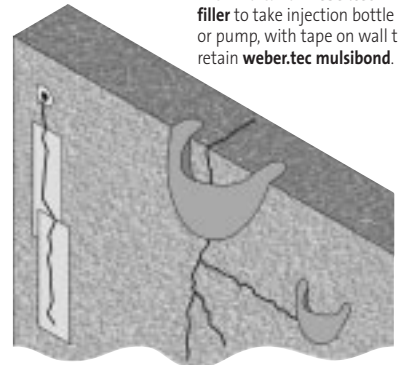
Use of a canister perforated in the bottom and sealed to screed with putty. Alternatively, a plastic funnel in 10mm drill hole may be used.

Dense screed

When **weber.tec multibond** solidifies, it provides a resilient filling of crack or hollow.

### Methods of sealing crack in walls

Nipple fixed in drilled hole with mortar or **weber.tec filler** to take injection bottle or pump, with tape on wall to retain **weber.tec multibond**.



'Swallow nests' of putty, clay or mastic to provide a suitable reservoir for **weber.tec multibond**.

## Packaging

**weber.tec multibond** is available in non-returnable 5 litre and 25 litre containers.

## Storage and shelf life

When stored airtight in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

**Protect from frost.**

## Health and safety

Essentially not hazardous. Not harmful during normal use. After contact with skin, wash immediately with plenty of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep out of the reach of children.

**For further information, please request the Material Safety Data Sheet for this product.**

### Technical services

**Weber's** Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

**Technical helpline**  
Tel: (01525) 722110

### Sales enquiries

**Weber** products are distributed throughout the UK through selected stockists and distributors. For UK sales enquiries and overseas projects, contact **Weber's** Sales office.

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