

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

mf. Mulsibond Sealer

## About this product

Mulsibond Sealer 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. As it is water based, it can only be applied to dry surfaces otherwise it will not set. The water content in the product must either dry out through the surroundings or evaporate.

Once set Mulsibond Sealer has good chemical resistance, flexibility and bond strength. Its exceptional penetrating properties enable it to be poured into fine hair cracks with minimal assistance and it will penetrate deep into the structure. As the product sets it will seal the crack helping to prevent further ingress of moisture and being flexible can accommodate a small degree of movement of the structure. Provided the cracks are clean a good bond will be obtained to the surfaces. Mulsibond Sealer, when set, forms a rubbery mass, which has been constantly used for consolidating hollow floor screeds, often saving their complete removal. Sometimes it is possible to seal large cracks by repeated applications, but we have other products more ideally suited to this application and our representatives will be pleased to provide further information on the full range of products available.

Independent tests have shown that Mulsibond Sealer would have no effect on the potability of water and can be used safely in reservoir or other water retaining structures.

## 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
- Good bond strength
- Exceptional penetrating properties
- Can be poured into cracks with minimal assistance

## Typical properties

Minimum film forming temperature	0°C
Capillary rise (0.5mm diameter)	26mm
Viscosity (BS3990 : Part 6)	17 c Stoke
Surface tension (Du Noilly Tensiometer)	34 dyne/cm
Adhesive to concrete	1 N/mm <sup>2</sup>
Elongation	500%

## Preparation

Cracks and surrounding concrete must be thoroughly dry. Cracks and crazed areas should be brushed to remove loose dirt etc. If the area is wet and greasy it is unlikely that good

## Sealing cracks on horizontal surfaces

Fine hair 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 overleaf.

## 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 about the holes to ease application-see diagram overleaf.

## 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 cracks, 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.

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## Application

For simplicity, apply the Mulsibond Sealer 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 Mulsibond Sealer is a sign that it is escaping. If the leak cannot be traced apply the Mulsibond Sealer gradually at 30 minute intervals or longer which will normally seal the crack. Continue applying the Mulsibond Sealer until no further penetration occurs. To ensure that the areas are effectively sealed, repeat treatment after 24 hours. Mulsibond Sealer can be used to seal very cracks due to its highly penetrative property. 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 1mm. For larger gaps up to 3mm, a 1:1 mixture of cement and Mulsibond Sealer can be used, or a thicker 2:1 mixture for cracks up to 5mm wide.

## Packaging and supply

Mulsibond Sealer is available in non-returnable 1 litre, 5 litres and 25 litres containers.

## Precautions

Replace lid after use and store in a cool dry place. PROTECT FROM FROST.

## Health and safety

Avoid contact with the skin, although essentially non-toxic once contact set the product is difficult to remove. Operatives are therefore advised to wear protective clothing, splashes can be removed with soap and water. If the product enters the eye, wash thoroughly with water and if discomfort continues seek medical advice.

For further information please refer to Material Safe Handling Guide.

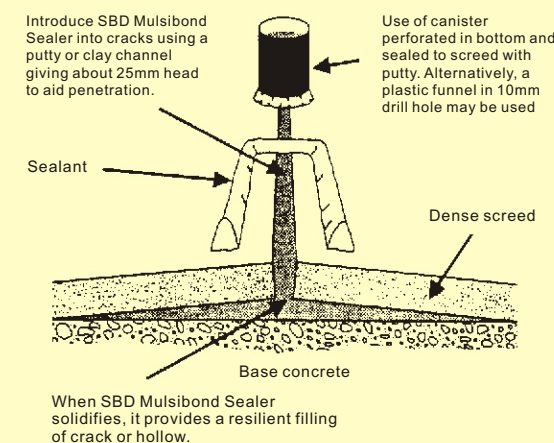
## Quality assurance

A policy of strict quality control has always been followed and the requirement of all relevant test standards are strictly adhered.

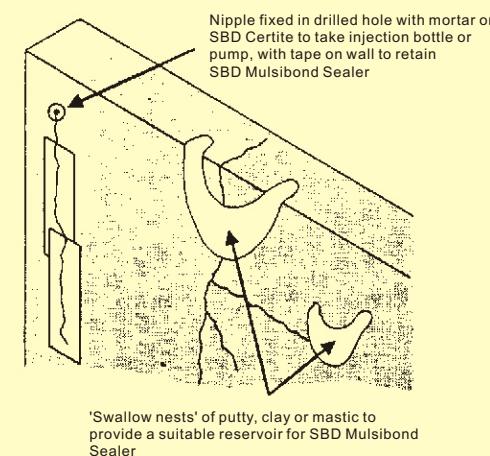
## Technical service and representation

We can provide technical service at the specification stage and/or during application through our Technical Department or Laboratory. Detail specification or further information can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

## Diagrammatic methods of application



## Methods of sealing cracks in walls



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To the best of our knowledge and belief, the information contained in this leaflet is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Test results shown reflect typical figures based on laboratory testing under

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