Technical Data Sheet

# Jointex XFH

## Jointex™ XFH

Low temperature acrylic-based pourable joint filling compound

## Product Description

*Jointex XFH* is a two part acrylic based flexible jointing compound combining a viscous resin and fine graded fillers. It is specially formulated to achieve a very rapid cure at normal ambient temperatures. It offers high strength with excellent elongation characteristics, allowing up to 100% movement within the joint.

## Typical Uses

*Jointex XFH* is ideal for rapid repairs to concrete expansion or construction joints, minimising disruption to busy areas of continuous traffic due to its outstanding speed of cure. Typical applications include factory and warehouse floors.

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| Suitable substrates: | *Jointex XFH* may be applied to old and new concrete. |
| Colour: | *Jointex XFH* is grey as standard. Other colours are available to order subject to minimum quantity. |
| Packaging: | *Jointex XFH* is supplied in pre-measured quantities as a two part 4.0kg unit, comprising of a resin Part 'A' and powder Part 'B'. |

## Physical Properties

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| Density @ 20°C: | 1.85kg/cm$^3$ |
| Viscosity: | 620-680 mPa*s |
| Elongation at maximum strength: | 284% |
| Modulus of elasticity: | 54 N/mm$^2$ @ +20°C<br>42 N/mm$^2$ @ –10°C |
| Ball impact hardness: | 15N/mm2 |
| Coefficient of thermal expansion: | 79 x 10-6 k-1 |

## Coverage

**Linear metres per 4kg unit:**

| Joint Depth | Joint Width 10mm | 15mm | 20mm | 25mm | 30mm |
|---|---|---|---|---|---|
| 10mm | 25.0m | 16.6m | 12.5m | 10.0m | 8.3m |
| 15mm | 16.6m | 11.0m | 8.3m | 6.6m | 5.5m |
| 20mm | 16.6m | 8.3m | 6.2m | 5.0m | 41m |
| 25mm | 10.0m | 6.6m | 5.0m | 4.0m | 3.3m |

## Direction For Use

### Surface Preparation

All joints must be clean, dry and free of dust, loose material or previous joint sealant. Shotblasting is recommended. A gas torch may be used to help remove oil or moisture from the surface.

***If the edges have broken away*** - repair using Polycote *Cretex™ EP*. *Cretex™ MC* may be used if a faster cure is required. Depending on the extent of the repair, the Cretex material may be supported using a thin polythene covered batten until firm, or the joint may be totally filled with *Cretex™* and re-opened once cured using a suitable width of diamond saw cut, providing a clean edged joint. Please contact Polycote Technical Helpline for advice and the appropriate Data Sheets.

*Jointex XFH* does not normally require a primer, unless the substrate is very porous, in which case Polycote *MC Primer Std* should be used. The prepared joint should be part filled using flexel or kiln dried sand, leaving a minimum depth of 10mm. Tape may be applied to mask the surface each side of the joint during pouring, but this should be removed as soon as material is placed.

Caution - *Jointex XFH* is methyl methacrylate based and has a characteristic odour during the vaporising of the solvent. Although non-toxic and non-injurious to health, this can cause tainting and OPEN food products should therefore be removed or sealed during and following application until the vapour has dispersed.

### Mixing

Thoroughly shake the container of resin to ensure dispersion of the contents, then empty the resin Part 'A' into a clean plastic mixing container and add the complete quantity of filler powder Part 'B'. Mix thoroughly to ensure complete dispersion of the hardener. For best results use a heavy duty slow speed drill with a mixing paddle.

***ENSURE THOROUGH MIXING AS AN UNMIXED PRODUCT WILL RESULT IN A POOR OR NON-CURE SITUATION***.

## Application

*Jointex XFH* has a characteristic odour during application which is nontoxic and non-injurious to health.

Apply immediately using a jug or suitable container to pour the mix directly into the joint. For a professional finish and maximum joint protection, fill to slightly above the level of the surrounding area, but not to the point of overflow. Once cured, the top of the filler may be chiselled flush to the level of the floor.

### Application Temperature

Temperature of application should be between 0˚C and 30˚C.

## Pot Life & Curing Times

The pot life once mixed is approximately 10-15 minutes. Pedestrian traffic: 1 hour. Full cure normally takes place within 2 hours.

## Cleaning

Tools and equipment should be cleaned whilst product is still wet with Solvent Cleaner. Hands and skin should be cleaned immediately with Organic Hand Cleaner.

## Shelf Life & Storage

The shelf life of *Jointex XFH* is 6 months subject to being stored in dry, frost-free conditions at temperatures between +5°C and +20°C.

## Health & Safety

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

## Any Questions

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.

Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

Polycote Technical Helpline: **01234 846400**