

# CM 200 PF FAST CURE



## DESCRIPTION

**CM200 PF FAST CURE** is a pouring grade, two part, pitch free polyurethane sealant for internal and external joint sealing.

## USES

**CM200 PF FAST CURE** can be used for sealing expansion joints in concrete paved areas, docks, container depots, industrial factories and warehousing. CM200 PF FAST CURE is high adherent to most materials commonly used in Fuel garage forcourt construction. It is cold applied and is therefore economic to use on small run jobs - in particular remedial re-sealing of joints in busy areas such as loading yards and hardstandings where specialised application equipment for hot applied sealants would normally be required.

## ADVANTAGES

- \* **HIGH PERFORMANCE**  
Good movement accommodation, tolerant of severe climatic conditions.
- \* **CHEMICALLY RESISTANT**  
Resistant to spillages of fuels, hydraulic fluids, synthetic and mineral oils, and dilute acids and alkalis.
- \* **EASY TO USE**  
Hand pour or machine apply to suit joint size.
- \* **NON TOXIC**  
Contains no pitch or related ingredients.
- \* **RELIABLE**  
ISO 9002 Quality Assured Firm.

## PRODUCT DATA

### General

Appearance: Resin Pack A  
Grey viscous liquid

Hardener Pack B  
Buff coloured viscous liquid

Colours: Grey & Black

Mixed Density: 1500kg/m<sup>3</sup>

### Application

Coverage:  
Length of joint in metres, filled per 1 litre of material.

Depth of Joint mm	Width of joint - mm				
	10	15	20	25	30
10	10.0	6.7			
15		4.4	3.3	2.7	
20			2.5	2.0	1.7
25				1.6	1.3

### PRIMER C

Approx 100m run at 15mm deep per 250ml

### EPOXY GP PRIMER

Approx 50m run at 15mm deep per 250ml

### Minimum Joint Size:

Optimum width/depth ratio between 1:1 and 1<sup>1</sup>/<sub>2</sub> : 1

Subject to minimum depth of 10mm.

Application Temperature: +4 to 45°C

Service Temperature: -20 to +70°C

## Cure Times:

The pot life is 20 to 30 minutes at 25°C and tack free time is 3 hours. However, the application time and rate of cure will depend upon the temperature of sealant and the ambient temperature at the time of application. At higher temperatures, the rate of cure will be faster. Final cure, when full working properties are developed, occurs within two days at 25°C, although the sealant will normally bear traffic with 36 hours of application. Low temperatures retard cure. Do not apply at temperatures below 4°C.

## Typical Test Results at 20°C

Complies with the requirements of:

- 1 BS5212. 1990 Type N.
- 2 ISO 11600-F-25LM

Shore Hardness: Using Shore Durometer A2, the hardness of CM 200 PF FAST CURE is 17.

Movement Accommodation Factor: +/- 25%

## METHOD OF USE

### Preparation of Substrate

All joints should be completely dry and free from all traces of dirt, dust, grease, and previous sealants and other foreign matter. Cleaning may be carried out by sand / grit blasting, grinding, sawing or water jetting, depending on new or re-sealing applications. Wire brushing must only be used for the removal of filler boards. In all cases, a clean bonding surface must be obtained.

In re-sealing situations, where joints have been previously sealed with pitch based material and traces of bitumen are still present, our Technical Service Department will advise on the most suitable method of preparation and priming. Joint sides must be parallel and straight. Spalled joints should be repaired with an appropriate material, such as EPOXYPATCH FAST CURE.

Following preparation, place into the base of the joint a bond breaker or BACK UP FOAM to form the correct cross section for the joint sealant and to prevent the sealant bonding to the base of the joint.

## Priming

After cleaning the joint faces should be primed with the appropriate primer, care being taken to ensure complete coverage.

Porous Surfaces, ie. concrete and other cementitious materials, timber and epoxy nosings, use PRIMER C

After priming allow half an hour for the solvent to evaporate. If application of CM200 PF FAST CURE is delayed for more than 2 hours after priming, joints should be re-primed.

Non-porous and Damp Surfaces: Optimum performance will be achieved by sealing joints that are dry. But where unavoidable, damp (not wet) joints may be sealed using the following primer system. Use EPOXY GP PRIMER. This primer is supplied in two tins marked A and B. These must be thoroughly mixed together and applied by brush as soon as possible after mixing. Care must be taken to ensure a 100% coating/membrane is formed over the prepared substrate before applying the sealant. Pot life is approximately  $\frac{1}{2}$  hour depending on temperature. Allow the GP Primer to initially cure (12 to 24 hours)

It is important that for optimum performance of CM200 PF FAST CURE the correct primer is used.

## Mixing and Application

Stir the contents of Pack B and add the entire contents to Pack A and stir for a full five minutes, preferably using a slow speed electric drill (max 500 r.p.m.) with a mixer paddle, until a completely homogeneous mix is obtained. Take care to avoid including excess air. Mixing is made easier if the Pack B is added and mixed in two stages. Pour or gun apply immediately into the primed joint. Current practice requires that the sealant shall be poured to a level between 3mm (Summer) and 6mm (Winter) below the wearing concrete surface. (Contact our Technical Services Department for details of bulkfill gun equipment).

## Cleaning of Tools

Tools and equipment should be cleaned with CM Multi wipes as soon as possible after use.

## STORAGE

**CM200 PF FAST CURE** and PRIMER C should be stored in cool, dry conditions away from frost, moisture and direct sunlight. These products will have a shelf life of 18 months when stored in these conditions in original unopened containers.

## PACKAGING

**CM200 PF FAST CURE** is supplied in 4.5 litre, two component packs.

PRIMER C is supplied in, 1 litre size

EPOXY GP PRIMER is supplied in 500ml, 1 litre and 5 litre sizes.

## HANDLING

**CM200 PF FAST CURE** contains diisocyanates, harmful if taken internally. Do not inhale the fumes. For further information refer to the relevant Health and Safety Data Sheet.

PRIMER C contains a moisture curing urethane and a hydrocarbon solvent. Flammable, flashpoint 40°C. Harmful by inhalation, if swallowed and in contact with skin. Wear suitable gloves and eye/face protection. Do not breathe fumes. Keep away from sources of ignition. For further information refer to the relevant Health and Safety Data Sheet.

EPOXY GP PRIMER contains liquid epoxy resin and a polyamine compound. Irritating to eyes, skin and respiratory system. Do not breathe fumes. Wear suitable gloves and eye/face protection. Wash hands thoroughly with soap and water after use. Harmful if taken internally. For further information refer to the relevant Health and Safety Data Sheet.

*We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.*

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