



## One component polyurethane foam

### Product description

OCF 25 product is a solvent free, One component polyurethane resin which turns into a foam when it comes in contact with humidity or moisture.

### Application

- To stop small to medium water ingress in underground structures
- Filling of voids containing water
- Crack injection of above or below grade structures, including water/wastewater tanks, storm pipes, manholes, culvert joints, and dams

### Features and benefits

- Gets activated in moist environment
- Good bonding to wet surfaces
- Modification of the foaming action can be achieved using an accelerator
- Rapid reaction and excellent bonding feature make it more effective to stop water ingress
- Adjustable reaction time with the associated accelerator provides application flexibility

### Technical data

OCF 25:  
Density at 68 °F (20 °C) : 72.4 lb/ft<sup>3</sup> (1.16 g/cm<sup>3</sup>)  
Viscosity at 73 °F (23 °C) : 320 mPa.s  
Color : Brown  
Application temperature : 40 °F to 105 °F (5 °C to 40 °C)  
Max. foam expansion rate: (10% accelerator dosage)  
25 – 30

OCF 25 Accelerator:  
Density at 68 °F (20 °C) : 61.2 lb/ft<sup>3</sup> (0.98 g/cm<sup>3</sup>)  
Viscosity at 73 °F (23 °C): 320 mPa.s  
Color : Clear to yellowish

### Guidelines for Use:

1 - Before opening the lid of the containers, be sure to mix them completely and evenly by shaking them.

- 2 - The amount of catalyst consumption is 12-25% of the weight of component A (the main component is dark brown), which, of course, our recommendation for a quality foam and increasing the appropriate volume is 25% of the weight of component A, for example, per Use 250 grams of catalyst per kilogram of component A.
- 3 - When you add the catalyst to component A, if possible, do not mix it until the start of consumption (if you mix it too much, there will be a possibility of foam forming on the surface of the container) and mix it only before starting the injection and immediately Use it.
- 4 - For each use, mix the minimum required amount and consume immediately.
- 5 - If more than 30% of the catalyst is used, the quality of the foam will decrease and there will be a severe loss of strength.

In case of non-observance of the mentioned points, no claim regarding the lack of quality will be accepted by the seller.

### CATALYST

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- 4 - For each use, mix the minimum required amount and consume immediately.
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Initial Temperature*	40 °F (5 °C)	50 °F (10 °C)	60 °F (15 °C)	68 °F (20 °C)
Start of reaction (seconds)	120	60	25	10
End of reaction (seconds)	300	200	110	50
Foam expansion rate (approximate)	25	25	25	30

\*temperature of both the product and water during the test

**Cleaning of Injection Equipment:** During short breaks or intervals longer than an hour in the injection process, fill the pump and hoses with non-accelerated OCF 25 Resin to avoid blockages.

After the injection process, pump an appropriate cleaning and maintenance agent (such as OCF 25 or an oil containing no moisture, through the pump and injection hoses until OCF 25 Resin is completely flushed out. Store the pump and hoses with the cleaning agent inside and seal all the openings.

## Related Documents

Safety Data Sheets: OCF 25 Resin and OCF 25 Accelerator

## Packaging

OCF 25 Resin is available (20 L).

OCF 25 Accelerator is available (20 L).

## Storage and Handling

**Storage Temperature and Shelf Life:** OCF 25 Resin and OCF 25 Accelerator must be stored in airtight containers in a cool, dry place within a temperature range of 40 °F and 95 °F (5 °C and 35 °C). If stored in original containers under the above-mentioned conditions, the OCF 25 products have a shelf life of 24 months. OCF 25 products must be protected from freezing.

**Safety:** OCF 25 Resin and OCF 25 Accelerator are non-hazardous. However, standard safety procedures when handling chemical products should be followed (including wearing gloves and safety glasses).

Avoid eye and skin contact. If skin contact occurs, wash with plenty of water and soap. In case of eye contact, rinse with plenty of water and seek medical advice.

Uncured products should be prevented from entering local drainage systems and water courses. Spillage must be collected using absorbent materials, such as sawdust and sand, and disposed of in accordance with local regulations.

## Limited Warranty Notice

Producer warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. Producer MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH

RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Cedex. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. Producer WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

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