

DRYINJECT 6870

**HYDROEXPANSIVE INJECTABLE ONE COMPONENT
POLYURETHANE RESIN**



PRODUCT DESCRIPTION

DRYKOS Dryinject 6870 is a one-component polyurethane resin based on MDI (Methylene Diphenyl Diisocyanate). It has the characteristic of low viscosity and expands upon contact with water, forming a flexible foam.

FEATURES

It is used for sealing and waterproofing cracks and joints on walls, floors, concrete structures, and sewage systems.

ADVANTAGE

- Penetrates deeply into joints and cracks.
- Reacts with water to form a closed-cell foam that allows for micro-movements of joints and cracks.
- Free expansion: 800%

AREA OF APPLICATION

Chemically resistant to water, weak acids, alkalis, and microorganisms. Excellent adhesion to mineral building materials (concrete, cement, bricks, mortars), metals, and certain plastics.

APPLICATION METHOD

Thoroughly mix DRYKOS Dryinject 6870 resin with 6-9% of DRYKOS Dryinject 6870 CAT catalyst. Inject the mixed resin into cracks using a one-component pump. Due to its low viscosity and expansion during the polymerization phase, the resin penetrates deeply into cracks. Once it comes into contact with water, it forms a flexible polyurethane foam.

It is advisable to clean the pump and equipment every time you stop for more than 75 minutes and after each injection. It is recommended to use DRYKOS Pump Cleaner for cleaning. Finally, after cleaning, rinse with a quarter of a liter of DRYKOS Pump Cleaner.

LIMITATIONS

The reaction speed is controlled by the amount of catalyst used. Use 6-9% of catalyst for good cell formation.

HEALTH AND SAFETY

- Avoid contact of DRYKOS Dryinject 6870 resin with the skin and eyes. Wear safety glasses, gloves, and protective clothing.
- In case of contact with the eyes, rinse with plenty of water and seek medical attention.
- In case of contact with water, wash with plenty of water.
- Absorb any spilled resin with sand and dispose of it according to local regulations.

The resin reacts with water and moisture in the air, generating CO₂ gas. This can put pressure on the container that has already been opened. Further information is available in the safety data sheet.

STORAGE

The components of DRYKOS Dryinject 6870 are quite stable if treated correctly. To avoid possible issues, it is important to remember that these materials are very sensitive to both temperature and humidity. Always store these products at a temperature between 30°C and 70°C.

Finish open barrels as soon as possible or repackage them, filled with nitrogen to prevent moisture penetration.

Clean the pump used with DRYKOS Pump Cleaner.

DRYKOS Dryinject 6870 has a shelf life of 12 months when stored according to the recommended instructions.

WARRANTY

If the product is found to be defective, Drykos' liability is limited to replacing the product itself. As Drykos has no control over the use of the product by the user, the latter must ensure that the product is suitable for the intended use, assuming all risks and responsibilities related to it.

PACKAGING

DRYKOS Dryinject 6870 Resin: 25 kg canister

DRYKOS Dryinject 6870 CAT Catalyst: 2.51 L (2.29 kg)

The product, stored in a dry and shaded place, must be used within 9 months.

TECHNICAL SPECIFICATIONS

Colour	Yellow
Specific Gravity	1.08 kg/L
Viscosity (25°C) Resin	705 mPas
Viscosity (25°C) Catalyst	36 mPas
Free Expansion	800%

	% Catal.	Reaction beginning	Reaction end
10°C	2%	45"	2" 25"
	6%	22"	1' 11"
	9%	16"	59"
15°C	2%	37"	2' 27"
	6%	19"	51"
	9%	15"	44"
20°C	2%	36"	2" 15"
	6%	18"	54"
	9%	14"	30"
25°C	2%	27"	2"
	6%	17"	40"
	9%	12"	29"