

DRYINJECT 6890

**HYDROEXPANSIVE INJECTABLE ONE COMPONENT
POLYURETHANE RESIN**



PRODUCT DESCRIPTION

DRYKOS Dryinject 6890 is a one-component polyurethane resin based on MDI (Methylene Diphenyl Diisocyanate). It has the characteristic of medium viscosity and expands upon contact with water into a flexible foam without shrinkage.

FEATURES

It is used for sealing and water tightness in cracks, joints on walls, floors, concrete constructions, and sewer systems.

AREA OF APPLICATIONS

- Penetrates deep 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% - 1100%.
- Chemically resistant to water, weak acids, alkalis, and microorganisms. Excellent adhesion to mineral construction materials (concrete, cement, bricks, mortars), metals, and some plastics.
- The reaction speed is controlled by the amount of catalyst used. Use 6-10% of the catalyst to achieve good cell formation.

APPLICATION METHOD

Thoroughly mix the DRYKOS Dryinject 6890 resin with 6-9% of the DRYKOS Dryinject 6870 CAT catalyst. Inject the mixed resin into cracks using a one-component pump. Thanks to its low viscosity and expansion during the polymerization phase, the resin penetrates deep into cracks. Once it comes into contact with water, a flexible polyurethane foam is formed.

HEALTH AND SAFETY

Avoid contact of the DRYKOS Dryinject 6890 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 consult a doctor. In case of contact with water, rinse 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 may pressurize the container that has already been opened. Additional information is available in the safety data sheet.

It is advisable to clean the pump and equipment whenever there is a break of more than 15 minutes and after each injection. DRYKOS PUMP CLEANER is recommended for cleaning. At the end of the cleaning process, it is advisable to rinse further with a quarter liter of DRYKOS PUMP CLEANER.

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

Available in:

Resin DRYKOS Dryinject 6890: 25 kg container.

Catalyst DRYKOS Dryinject 6890 CAT: 2.51 L (2.29 kg).

TECHNICAL SPECIFICATIONS

Colour	Yellow
Specific Gravity	1.07 kg/L
Viscosity (25°C) Resin	470 mPas
Viscosity (25°C) Catalyst	9 mPas
Free Expansion	800%-1000%

	% Catal.	Reaction beginning	Reaction end
10°C	2%	2'11"	14'25"
	6%	2'	7'50"
	9%	1'54"	7'35"
15°C	2%	1'12"	9'15"
	6%	54"	4'25"
	9%	40"	3'10"
20°C	2%	36"	2" 15"
	6%	18"	54"
	9%	14"	30"
25°C	2%	1'02"	9'10"
	6%	51"	4'10"
	9%	37"	3'