



Dryinject 2000

Semi-rigid polyurethane injection resin, specifically formulated to stop high-flow and/or high-pressure water infiltration

Drykos® **Dryinject 2000** is a two-component, solvent-free, semi-flexible hydro-expansive polyurethane resin for sealing water infiltration, both minor and major, in concrete structures and solid masonry through pressure injection. Upon contact with water, Drykos® **Dryinject 2000** reacts to form a polyurethane foam that expands up to approximately 20 times its initial volume, enabling effective closure of cracks, cavities, and internal voids. In the presence of fresh water, expansion reaches the maximum anticipated value; in seawater environments, expansion still occurs, albeit with a slightly reduced volume. Once the reaction is complete, the polyurethane foam maintains stable volume over time. Good resistance to hydraulic pressure from water ingress is generally achieved within 1–2 minutes from the start of the reaction. The formation of CO₂, typical of the polyurethane reaction, generates additional pressure that promotes resin penetration into cracks, fissures, and cavities, improving sealing effectiveness and ensuring waterproof integrity.

TECHNICAL PERFORMANCE

Characteristic	Test method	Standard requirements	Performance
Density			1.15 kg/dm ³
Viscosity			90 mPa
Expansion on contact with water			~2000%
Reaction start at 5°C			~45 seconds
Reaction end at 5°C			~4 minutes 20 seconds
Reaction start at 10°C			~40 seconds
Reaction end at 10°C			~3 minutes 50 seconds
Reaction start at 20°C			~35 seconds
Reaction end at 20°C			~3 minutes 10 seconds
Reaction start at 30°C			~25 seconds
Reaction end at 30°C			~2 minutes 25 seconds

NOTES

This "light" version of the technical data sheet provides a selection of the product's main descriptive and performance characteristics. While the data contained herein corresponds to our current scientific and technical knowledge, it is indicative and not exhaustive. For complete specifications, detailed technical information, conditions of use, and official updates, please refer exclusively to the full technical data sheet, available in its latest revision at www.drykos.com.

Full technical datasheet



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