

Definition / Tanımlama

PURINSEAL EN 301 is a one-component polyurethane injection resin. It is a MDI-based, very low viscosity, highly reactive product that activates with water to form a semi rigid foam.

Application Area / Uygulama Yeri

- Water-bearing cracks and joints in concrete structures
- Watertanks
- Tunnels
- Underways
- Waterways and dams
- Car parking areas

Advantages / Avantajlar

- Very low viscosity
- Suitable for drinking water system
- Activates in aqueous and humid environments
- Solvent-free
- Provides temporary sealing of water-bearing cracks
- Very high foam volume in contact with water
- Short curing time
- Easy to apply
- Does not contain VOC, CFC, and halogen

Technical Properties / Teknik Özellikler

No	Test / Analiz	Result / Sonuç	Unit / Birim	Test Code
1	Appearance	Amber	-	
2	Viscosity	150	cP (23°C)	ASTM 2196
3	Density	1.18	g/cm3 (23°C)	ISO 2811
4	Start of reaction	20	second	ASTM D 7487
5	End of reaction	2.3	minute	ASTM D 7487
6	Expansion	38	times	EN 14406
7	Free foam density	28	kg/m3	EN 14406
8	Yield	36	liter/kg	EN 14406

Preparation / Hazırlık

Initially, the cracked structure should be drilled downwards at an angle of 45 ° with 20 -25 cm intervals. The dust inside drilled holes should be cleaned, and then packers should be placed in a suitable packer hole.

Application / Uygulama

The product is injected into drilled holes of packers in sequence. It continues to be given until the product starts to come back from the holes. The product is given to the third hole and when the product starts to come back, it should be returned to the first hole and re-fed. The reason for repeating this process is that the amount of product to be given is not known since the amount of water in it is not known. If there is too less water in the application area, it is recommended to pre-inject water in the crack since the product is water reactive.

Cleaning / Temizlik

After the application, the packers should be removed from the holes. The injection foam flowing from the wall should be cleaned and the holes opened should be covered with mastic. The machine must be cleaned from the injection product inside with a suitable solvent. If there is any product left in the machine, the remaining products may block the machine as they form foam over time. After cleaning with the solvent, the oil should be passed through the machine. Prolonged contact solvent can damage device connections. Therefore, cleaning should be done carefully.



Packing / Paketleme

PURINSEAL EN 301 is shipped as 25 kg

Storage / Depolama

PURINSEAL EN 301 is stored in its packaging at a temperature of 5-30 oC without opening the cap, its shelf life is 6 months. Since the product reacts with moisture in the air, it is recommended to use the opened packages completely. It is recommended that the half packages you do not use, should be closed very well and if possible, nitrogen gas should be used in the closing process.

Safety and Health / Güvenlik ve Sağlık

PURINSEAL EN 301 contains isocyanates. Since the product reacts in contact with water, avoid contact with your eyes. Therefore, gloves and goggles should definitely be used while working. Since it is solvent-free, it is not necessary to use any mask especially. If the product comes into contact with your skin, wash with plenty of water and soap. Dispose of the packages after use in accordance with the regulations.

Note

The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Bu teknik formdaki veriler kendi deneyimlerimiz ve bilgilerimiz referans alınarak hazırlanmıştır. Ancak bağlayıcılığı yoktur. Yapıya, uygulama amacına ve özellikle yerel koşullara göre ayarlanmalıdır. Verilerimiz, uygulama sırasında uyulması gereken mühendislik kurallarını referans almıştır. Satış teslim, hizmet şartlarımız ve koşullarımız kapsamında bu verilerin doğruluğundan sorumlu olmaktayız. Çalışanlarımızın bilgilendirme formlarımızdaki yer alan verilerden farklı önerileri ancak yazılı olarak verilmesi halinde bağlayıcıdır. Kabul edilen mühendislik kurallarına her zaman uyulmalıdır.

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