

Definition / Tanımlama

PURINELAS CM 3051D is a two component, solvent-free, blue colored, cold curing, polyurethane elastomer system.

Application Area / Uygulama Yeri

PURINELAS CM 3051D is used as a casting resin in various applications

Advantages / Avantajlar

- High thermal resistance
- Fast drying time thanks to two components
- After 4 - 6 hours it can be removed from the mold

Technical Properties / Teknik Özellikler

No	Test	Result / Sonuç (A)	Result / Sonuç (B)	Result / Sonuç (A+B)	Unit / Birim	Test Code
1	Appearance	Blue	Amber	Blue	-	
2	Viscosity	7.000 - 8.000	150 - 250	6.000 - 7.000	cP (23°C)	ASTM 2196
3	Density	1,55 - 1,60	1,20 - 1,25	1,50 - 1,55	g/cm3 (23°C)	ISO 2811
4	Solid content	100	100	100	%	ISO 3251
5	Mixing rate	100	18	-	w/w	
6	Pot Life (23oC)	-	-	10 - 15	minute	ISO 9514
7	Application temperature	-	-	(+10) - (+30)	°C	
8	Curing	-	-	16	hour	ASTM D 7487
9	Final curing	-	-	7 - 10	days	
10	Hardness	-	-	45 - 50	Shore D	ASTM D 2240

Preparation / Hazırlık

The application surface must be dry and clean. Absorbent surfaces should be sealed. Mold release agent should be applied to the areas where the mold and polyurethane come into contact so that it can be easily removed from the mold. Wait for the applied mold release agent to dry.

Application / Uygulama

Avoid contact of the two-component product with water. Before starting the process, PURINELAS CM 3051D-A should be mixed internally at low speed. Components A and B should be mixed in a clean container according to the mixing ratio given in the technical specification table until a homogeneous mixture is obtained. After the mixture is finished, the product should be rested for 1 minute in order to remove the air bubbles caused by the mixture from the product and then applied. After both components are mixed according to the given mixing ratio, the application should be done within 10 minutes. Otherwise, the product will cure in the container and cannot be applied.

Cleaning / Temizlik

After application, the equipment used should be cleaned with a suitable solvent.

Packing / Paketleme

PURINELAS CM 3051D is available as standard in net (10+1.8) kg and (25+4.5) kg sets in clamped metal buckets. Different packaging preferences can be designed according to the mixing ratio.

Storage / Depolama

The service life of PURINELAS CM 3051D is 12 months if stored in its own packaging, unopened, between 5-30oC. Since the product reacts with moisture in the air, it is recommended to use the opened packages completely. It is recommended to seal the half packages that you cannot use very well and, if possible, use nitrogen gas in the sealing process.

Safety and Health / Güvenlik ve Sağlık

PURINELAS CM 3051D is a material containing isocyanates. For this reason, gloves and goggles must be worn while working. Since it is solvent-free, there is no need to use a mask. If the product comes into contact with your skin, wash with plenty of water and soap. Avoid contact with eyes as the product reacts in contact with water. Dispose of the packaging 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.

**PURIN®Aqua****PURIN®ATE****PURIN®COAT PURIN®ADHE PURIN®SEAL PURIN®ELAS**