

**Definition / Tanımlama**

PURINADHE FT 101 is one-component, water-based polyurethane adhesive designed using PUD resin and has excellent adhesion.

**Application Area / Uygulama Yeri**

- Used for bonding automotive parts
- Bonding of textiles and textile materials
- Bonding of textile - sponge materials
- Bonding of leather - sponge materials
- Used in PVC-MDF lamination in furniture industry
- In the shoe industry, bonding the insole and textile

**Advantages / Avantajlar**

- It is a water-based system and provides a safe working environment.
- Harmless to the environment and human health
- High adhesion strength
- High temperature resistance
- Provides high performance thanks to its nanotechnology infrastructure
- Possibility to work in desired viscosity
- Using low-cost equipment for the application
- Low energy consumption in application

**Technical Properties / Teknik Özellikler**

No	Test / Analiz	Result / Sonuç	Unit / Birim	Test Code
1	Appearance	White	-	
2	Density	1,10	g/cm <sup>3</sup> (23°C)	ISO 2811
3	Viscosity	1500 - 2000	cP (23°C)	ASTM 2196
4	Activation temperature	55	°C	

**Preparation / Hazırlık**

The product is one-component and ready-to-use. It can be used directly.

**Application / Uygulama**

In textile applications, the glue is applied to the surface with a knife or spray, then pre-heat is applied to remove the water in the system and the glue to dry slightly. Then after contact to the surface to be bonded, heat is applied with a roller. This temperature should be a minimum of 55-60°C. The glue that reaches this temperature becomes active and provides adhesion. Higher or prolonged heat causes the product to age (cure) well. Finally, the lamination process is completed by passing through cold rollers or cooling with air. There will be no debonding in the product with any heat treatment to be applied afterwards.

In furniture applications, the product is applied to the MDF surface with a spray and left to dry to remove the water. The glue that is dry to the touch is placed in the press machines and PVC foil is covered on it. After the necessary heat is provided, lamination is provided by the vacuum process. The temperature here should be at least 55-60°C. Then the product cools very quickly, and the excess PVC foil is removed and the lamination process is completed. There will be no debonding in the lamination with any heat applied afterwards.

In general applications, since the product is a heat-activated glue, it is applied first, then dry to the touch and then laminated with a minimum temperature of 55-60°C. This product can be used for lamination on all materials that can be

**Cleaning / Temizlik**

Since the product is water-based glue, you can clean it with water during and immediately after the application. However, you should clean the dried surfaces using solvent.

**Packing / Paketleme**

PURINADHE FT 101 is shipped in 5 kg bag in box, 10kg, 20kg, 25kg in plastic bottles, 30kg, 60kg, 120kg in plastic drums, or 1000kg in IBC tanks.

**Storage / Depolama**

PURINADHE FT 101 has a shelf life of 24 months if stored at 5-30°C.

**Safety and Health / Güvenlik ve Sağlık**

The product should not come into contact with the skin or eyes. In case of contact, wash with plenty of water. In case of irritation seek medical attention immediately.

**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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