

**Definition / Tanımlama**

PURINAQUA FW 103 is a high elasticity polyurethane dispersion based on aliphatic polyester polyol.. With its mechanical resistance, it can be used as a resin for top coat products on wood and concrete

**Application Area / Uygulama Yeri**

PURINAQUA FW 103, is used for coating purposes by adjusting the viscosity value that requires application in many areas such as wood and concrete with its strong adhesion and mechanical resistance. Drying can be achieved by natural and thermal drying. It can be used with our crosslinkers in the PURINAQUA XR 100 series for higher mechanical strength, higher and faster drying applications.

**Advantages / Avantajlar**

- Does not turn yellow in UV light with is aliphatic structure
- Ease of application with low viscosity,
- Ability to be adjusted to the desired viscosity, the desired viscosity can be easily adjusted with PU thickeners. In this way, it can be used with spre applications or roller and scraper blades. (doctor blade)
- Environmentally friendly with its water-based structure, it is produced with a technology that is sensitive to the environment and human health.
- High performance contribution, it takes a homogeneous form with its polymer structure of approximately 50 nanometers and provides high mechanical strength.
- Can be mixed with water-based systems such as acrylic etc. It can be used purely or easily mixed with water-based systems like acrylic, latex etc. The cost can be adjusted by changing the proportions of the mixture until the desired performance is obtained.
- Clean and odorless working environment
- Long adjustable application time,
- Short drying time, since the system has a polyurethane polymer structure in the solvent, drying can be achieved by removing the water at the desired speed and time.
- Long shelf life and stock life, water based polyurethane systems do not contain reactive groups and provide a long shelf life depending on the dispersion quality.
- Cleaning of application equipment and areas with water
- Non-hazardous, non-flammable

**Technical Properties / Teknik Özellikler**

No	Test / Analiz	Result / Sonuç	Unit / Birim	Test Code
1	Appearance	White	-	
2	Density	1,00 - 1,05	g/cm3 (23°C)	ISO 2811
3	Viscosity	< 100	cP (23°C)	ASTM 2196
4	Solid content	34-36	%	ISO 3251
5	PH	7-9	-	
6	Elongation at break	600-700	%	ASTM D 412

**Packing / Paketleme**

PURINAQUA FW 103 is packed and shipped in 60 kg plastic barrels and 1.000kg IBC tanks.

**Storage / Depolama**

Its shelf life is 12 months from the date of production, when it is stored in its unopened original package, in a dry environment, protected from direct sunlight and frost.

**Safety and Health / Güvenlik ve Sağlık**

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

**PURIN<sup>®</sup>Aqua****PURIN<sup>®</sup>ATE****PURIN<sup>®</sup>COAT PURIN<sup>®</sup>ADHE PURIN<sup>®</sup>SEAL PURIN<sup>®</sup>ELAS**