



## **SEMPU WT 2K**

**TWO COMPONENT SOLVENT FREE POLYURETHANE  
BASED LIQUID MEMBRANE**

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DATE 05.10.2022

REV. date.:01.01.2025 REV:02

### 1 DESCRIPTION

**SEMPU WT 2K**, two component, solvent free polyurethane based liquid membrane which is designed for drinking water tanks.

### 3 ADVANTAGES

- Solvent free
- Excellent adhesion
- Useful for closed areas.
- Resistant to chemicals.
- Thixotropic grade.

### 4 CONSUMPTION

Minimum total consumption: 1,30 – 1,50 kg/m<sup>2</sup>

### 5 PACKAGING

20 kg + 4 kg metal buckets

### 2 USES

- Drinking and potable water tanks
- Concrete water tanks
- Steel and other water tanks
- Substrates which has direct contact to the drinking water .

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### 6 TECHNICAL SPECIFICATIONS

QUALIFICATIONS	FEATURES	METHODS
Color	Blue	-
Density	1,40±0,05 g/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / EN ISO 2811-1 (20°C)
Viscosity	5.000-10.000 cP	ASTM D 2196-86 / EN ISO 3219 (+25 °C)
Mixing Ratio (A+B)	20/4	-
Gloss	Semi Mat	-
Service Temperature	+5 °C -+35 °C	-
Solid Content	%100	-
Hardness	40 (Shore D)	ASTM D2240, DIN 53505, EN ISO R 868
Elongation	> %100	ASTM D412 (+23 °C)
Pot Life	20-30 dk.	-
Elongation At Break	>3 N/mm <sup>2</sup>	ASTM D412 (+23 °C)
Water Absorption	<0,5 %	DIN 53495
Adhesion to Concrete	> 2 N/mm <sup>2</sup>	TS EN 1542 (+23 °C)
Tack Free Time	3-4 hours	25 °C / %55 RH
Recoating Time	6-24 hours	-

\* Viscosity measured at + 25°C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

### 7 APPLICATION PROCEDURE

#### Surface Preparation & Concrete Standards

Strength: C20/25.

Humidity: W ≤ 5%.

Temperature: 5-35 oC.

Relative humidity: < 85

The substrate must be clean, dry and free of all contamination such as dirt, oil, grease, and coatings etc All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum

#### Priming

- For porous substrates: **SEMPU PRIMER 1K, SEMPOXY PRIMER WB and SEMPU PRIMER 2K**
- Metal or non porous surfaces: **SEMPOXY PRIMER 1100**

#### Mixing

Mix the components for 2-3 minutes with a low speed mixer (300 rpm) or manually. Apply the products immediately after mixing, the pot life of mixture is 30 minutes at 20 °C

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### Applicaation:

The mixture should be applied min 2 layers by brush, roller or airless spray covering all surcafe properly. Vertical applications should be applied min 2 layers too. Rollers should be cleaned with SEMSOL TN 100. Rollers are dispoible. Recoating time should be min 8 hours max 24 hours.

### 8 STORAGE AND SHELF LIFE

Can be kept for minimum 12 months in the original unopened pails in dry places and at temperatures of 5-25 oC. Once a pail has been opened, use as soon as possible.

### 8 PRECUATIONS

Flammable and exploision products should be kept away during the application. Protective gloves and masks should be used for hands anzd eyes during application. The product should be used in well ventilated environments.If the material comes into contact with eyes, it should be washed immediately with sucient water. Childrens should kept away from the product. For more detailed information, ask for the Safety Data Sheet (MSDS).

### NOT

Yukarıda verilmiş olan teknik veriler ve uygulama metotları firma bünyesinde yapılan test ve uygulamalar neticesinde sunulmuştur. Ürünlerin uygulama esnasında zemin, hava şartları ve neme bağlı durumların değışkenlik gösterebileceđi göz önünde bulundurularak, her bir uygulama öncesi özel gereksinimleri ve amaçları karşılayıp karşılamayacağını anlamak için detaylı inceleme ve amaca yönelik uygulamalar yetkili kişiler tarafından inceleme sonrası karar verilmelidir. Ürünlerimizin doğru uygulanması tamamen sizin sorumluluk ve yükümlülük kapsamındadır. Genel satış ve teslimat şartlarımız kapsamında süreklilik ve tutarlı kaliteye sahip ürünler temin edeceğiz. Kullanıcılar, yerel kanunlara uymak, çevre ve gerekli kurumlardan izin almaktan sorumludur. Teknik veri sayfasının yeni baskısı bir önceki baskıyı geçersiz kılar. Yetkili satış temsilcisinden güncel baskıyı isteyiniz