

TK-50 SINGLE COMPONENT SEMI-ELASTIC WATERPROOFING MATERIAL



DESCRIPTION

- Acrylic copolymer based, single component, semi-elastic waterproofing material suitable for positive side use.

INTENDED USES

- Interior surfaces,
- On horizontal and vertical applications,
- In balconies, toilets and kitchens for waterproofing purposes,
- On plastered surfaces (after **UA-34 General purpose primer** application),
- Used under tile and on surfaces such as exposed concrete, plaster, screed.

PROPERTIES

- Easy to use because it is a single component. Does not require much labour.
- It is semi elastic.
- Provides positive side waterproofing.
- It is applied with a brush.
- It provides the opportunity to apply coating materials such as tile on it.

SURFACE TREATMENT

- The surface must be clean, dry, smooth and sound.
- The surface must be free of residues such as oil, dirt and paint that will prevent adhesion.
- Cracked and hollow areas on the surface must be repaired with **REPAIR SW Waterproof structural repair mortar** at least 24 hours before the application of **TK-50 Single component semi-elastic waterproofing material**.
- **CHAMFER TAPE** must be applied at the joints of sharp corners and structural elements and **STOPPER Active water sealant** must be applied if there are water inlet holes.
- Surfaces such as exposed concrete, cement-based plaster should be wetted with clean water and wait until the water layer disappears so that the surface will remain moist.
- Very porous surfaces should be primed with **UA-34 General purpose primer** without diluting, approximately 1-3 hours before the application of **TK-50 Single component semi-elastic waterproofing material** in order to balance the water absorption of the surface.
- Please consult us for all other application substrates.

TECHNICAL DATA

Appearance	: Light brown
Application temperature	: (+10°C) ± (+30°C)
Temperature resistance	: (-30°C) ± (+80°C)
Application thickness	: 1 mm (on one layer)
Time required in-between layers	: 6-8 hours
Time required to become waterproof	: 7 days
Time to gain mechanical strength	: 72 hours
Time required to start tile application	
Density	: 1.65±0.05 g/ml
pH	: 9±0.5
Capillary water absorption and water vapour permeability	: W≤0.1 kg/m ² .dk½

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- **MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

APPLICATION

- The product is ready to use and a single component.
- It should be mixed well before use. No dilution should be done.
- Can be applied with a brush.

WARNINGS AND RECOMMENDATIONS

- It should not be used in potable water tanks.
- No dilution must be done.
- Tile and similar coatings should not be applied within 7 days after the application of **TK-50 Single component semi-elastic waterproofing material**.
- After application, hands and applications tools should be thoroughly washed with water.
- During the application, the ground should be protected from wind and direct sunlight.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

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TK-50 SINGLE COMPONENT SEMI-ELASTIC WATERPROOFING MATERIAL



CONSUMPTION

- 0.8-2.0 kg/m² (for 2 mm thickness)

PACKAGING

- 10 kg Plastic bucket


SHELF LIFE:

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture. Protect from frost.

COMPLEMENTARY PRODUCT(S)

- REPAIR SW Waterproof structural repair mortar
- CHAMFER TAPE
- STOPPER Active water sealant
- UA-34 General purpose primer

QUALITY CERTIFICATES

 2163	
YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerçiler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ	
20 DoP number: 03.PB 1504-2.017	
2163-CPR-0560-6 TS EN 1504-2:2005 TK-50 SINGLE COMPONENT SEMI-ELASTIC WATER INSULATION MATERIAL Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete Principle 2: Moisture Control (MC), Method 2.2: Coating (C) Principle 8 (IR): Increasing Resistivity by Limiting moisture content, Method 8.2: Coating (C)	
Water vapor permeability	: Class II
Capillary water absorption and water permeability	: W < 0,1 kg/m ² .h ^{0,5}
Adhesion strength by pull-off test	: Without a traffic load; ≥0.8 N/mm ²
Fire reaction class	: B-s1,d0 (Organic matter >%1)
*Our products do not contain hazardous substances for health and the environment.	

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