

S-57

TWO COMPONENT SEMI-FLEXIBLE WATERPROOFING MATERIAL - COMPONENT B



DESCRIPTION

- Cement and crylic based, two-component, flexible waterproofing powder that provides water impermeability and suitable for use only from the positive side.

TECHNICAL DATA

Appearance	: White liquid
Application temperature	: (+5°C)-(+30°C)
Temperature resistance	: (-30°C)-(+80°C)
Application thickness	: 2-3 mm
Time required to become waterproof	: 7 day
Drying time	: 48 hours
Time required in-between layers	: 6 hours
Time required to gain mechanical strength	: 3 day
Cavity unit volume mass	: 1,04±0,03 g/ml

- 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.

INTENDED USES

- Horizontal and vertical applications of interior and exterior areas,
- In wet areas such as bathrooms, balconies, toilets and kitchens,
- Used on surfaces such as exposed concrete, plaster, screed.

PROPERTIES

- Components are proportioned in its packaging.
- Provides the opportunity to apply coating materials such as tiles on it.
- Has high adhesion feature.
- It is resistant to positive water pressure of 10 m against concrete (TS EN 12390-8).
- Has waterproof feature. It has a semi-flexible structure.

SURFACE TREATMENT

- Surface must be clean, dry, smooth and saturated with water.
- Surface must be free of residues such as oil, dirt, paint that will prevent adhesions.
- Cracked and hollow areas on the surface must be repaired with **REPAIR SW Waterproof structural repair mortar** at least 24 hours before application.
- At the joints of sharp corners and structural elements, chamfering should be applied with **CHAMFER TAPE** and any holes leaking water should be filled with **STOPPER Active water sealant**.
- For absorbent surfaces, it must be moistened well before application and should be kept until it becomes dry. Since the primer or the product applied after it does not lose its water on surfaces that moistened, early drying and cracking problems that may arise from it are prevented.
- Very porous substrates, on the other hand, must be primed with **UA-34 General purpose primer**, without diluting, approximately 1-2 hours before application in order to balance the water permeability of the surface.
- Consult us for all other application substrate

APPLICATION

- Slowly pour 20 kg **WATERSEAL COMPONENT A** powder into 5 kg **S-57 WATERSEAL COMPONENT B** liquid and mix it with a low-speed mixer (max. 600 rpm) until a homogeneous mixture is obtained.
- Do not add any additional additives, unless mentioned in the instructions.
- Rest the prepared mortar for maturation 2-3 minutes and stir it again for 30 seconds before application.
- The prepared mortar must be applied to the surface with a brush or trowel in at least 2 layers, and each layer must be applied perpendicular to each other.
It should be waited 6 hours between layers.
- After the second layer is applied, the surface must be protected against sun and fast drying for 3 days.

PACKAGING

- COMPONENT A, 20 kg Kraft bag &
- S-57 WATERSEAL COMPONENT B LIQUID; 5 kg Tin bucket

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

KOCAELİ KOBİ Organize Sanayi Bölgesi 18. Cadde No: 22 Köşeler - Dilovası / KOCAELİ / TURKEY

+90 (216) 469 66 33 +90 (262) 728 11 10 | www.myfixyapikim.com | @fmyfixyapikimyasallari

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WARNINGS AND RECOMMENDATIONS

- In order to achieve the desired performance from the products, it must be used with complementary products.
- Primer must be used before application. The primer provides water permeability and high adhesion strength between the product and the surface. The amount of consumption will be reduced with the use of primer.
- The application must not exceed 1-1.5 mm thickness in the first layer.
- It is not suitable for application in areas exposed to high water such as swimming pools. It is not suitable for use in drinking water tanks.
- The reinforced concrete to be applied must be cured for at least 28 days.
- Since it is not UV resistant, it should not be left as a final layer and should be covered after 7 days curing.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.
- Only its own liquid should be used for the mixture, no water should be added.
- Not applicable against negative water pressure.

QUALITY CERTIFICATES

- Adhesion strength through pull-off test-TSE Test report -TS EN 1542

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YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerciler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ	
18 DoP number: 03.PB 1504-2.010	
2163-CPR-0560-4 TS EN 1504-2 S-57 TWO COMPONENT SEMI-FLEXIBLE WATERPROOFING MATERIAL Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and conformity assessment - Part 2: Surface protection systems for concrete Principle 2: Moisture control, Method 2.2 Coating application Principle 8: Increasing Resistivity by Limiting Moisture Content, Method 8.2 Coating application	
Water vapour permeability	: Class I; $S_D < 5$ m
Capillary water absorption and water permeability	: $< 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
Adhesion strength through pull-off test	: Without a traffic load; $\geq 0.8 \text{ N/mm}^2$
Fire reaction class	: B-s1,d0
Hazardous substances	: Suitable

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.

CONSUMPTION

- 3.5-4.0 kg/m² (for 2 mm thickness)
- It may vary depending on the application conditions and surface properties.

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