

WATERSEAL TWO COMPONENT FLEXIBLE WATERPROOFING MATERIAL – COMPONENT A



DESCRIPTION

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

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.
- In case of using with S-58 fluid; used in foundations, basement walls, terraces, garages, retaining walls.

PROPERTIES

- Components are proportioned in its packaging.
- Provides the opportunity to apply coating materials such as tiles on it.
- Has high adhesion feature.
- Has waterproof feature.
- **In case of using with S-58 fluid;** It has high elasticity. It is resistant to positive water pressure of 20 m depth against concrete (TS EN 12390-8).
- **In case of using with S-57 fluid;** It is resistant to positive water pressure of 10 m against concrete (TS EN 12390-8).

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 adhesion.
- 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 substrates.

TECHNICAL DATA

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| Appearance | : Grey powder |
| Application temperature | : (+5°C) - (+30°C) |
| Temperature resistance | : (-30°C) - (+80°C) |
| Application thickness | : 2-3 mm |
| Time required to become waterproof | : 7 days |
| Drying time | : 48 hours |
| Time required in-between layers | : 6 hours |
| Time required to gain mechanical strength | : 3 days |
| Density (mixture of liquid and powder) | : S-57; 1.04±0.03 g/ml ve 1.60±0.05 g/ml : S-58; 1.03±0.03 g/ml ve 1.70±0.05 g/ml |
| Capillary water absorption and water vapour permeability | : < 0.1 kg/m ² .h ^{0.5} |
| Adhesion strength through pull-off test | : ≥ 0.8 N/mm ² |
| Pressurized water resistance (TS EN 12390-8) | : S-57; 1 bar positive side : S-58; 2 bar positive side |

- 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

- Slowly pour 20 kg **COMPONENT A** powder into 5 kg **S-57 COMPONENT B liquid** or 20 kg **COMPONENT A** powder into 10 kg **S-58 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 COMPONENT B LIQUID**; 5 kg Tin bucket,
- **S-58 COMPONENT B LIQUID**; 10 kg Tin bucket.

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

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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 breathe the powder or contact with skin or eyes as it is cement-based.
- 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.
- Only its own liquid should be used for the mixture, no water should be added.
- Not applicable against negative water pressure.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

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

- S-57; 3.5-4.0 kg/m² (for 2 mm thickness)
- S-58; 3.0-3.5 kg/m² (for 2 mm thickness)

QUALITY CERTIFICATES

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

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| 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 kg/m ² .h ^{0.5} |
| Adhesion strength through pull-off test | : Without a traffic load; ≥0.8 N/mm ² |
| Fire reaction class | : B-s1,d0 |
| Hazardous substances | : Suitable |

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| 18 DoP number: 03.PB 1504-2.011 | |
| 2163-CPR-0560-5 TS EN 1504-2 S-58 TWO COMPONENT HIGHLY 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 kg/m ² .h ^{0.5} |
| Adhesion strength through pull-off test | : Without a traffic load; ≥0.8 N/mm ² |
| Fire reaction class | : B-s1,d0 |
| Hazardous substances | : Suitable |

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

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