

# S-60

## TWO COMPONENT UV RESISTANT HIGHLY FLEXIBLE WATERPROOFING MATERIAL – COMPONENT A



### DESCRIPTION

- White cement and acrylic-based, two-component, highly flexible waterproofing mortar that provides water impermeability for positive-side use.

### INTENDED USES

- On vertical & horizontal applications in interiors and exteriors
- In wet areas such as showers, balconies, toilets and kitchens
- In swimming pools
- In foundations, basement walls, retaining walls, terraces, garages and canalettes,
- Applicable on exposed concrete, plaster and screed

### PROPERTIES

- Components are pre-proportioned
- Easy to preapre and apply. Does not require much effort.
- High flexibility and crack bridging properties.
- Resistant to UV rays and weather conditions.
- Resistant against 50 m deep positive water pressure on concrete. (TS EN 12390-8)
- High water impermeability.
- Suitable for light foot-traffic.
- Can be used as a final layer especially on terraces and roofs.

### 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 **S-60** 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   | : White 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)                   | : 1.04±0.03 g/ml & 1.75±0.05 g/ml           |
| Capillary water absorption and water vapour permeability | : < 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup> |
| Adhesion strength through pull-off test                  | : ≥ 0.8 N/mm <sup>2</sup>                   |
| Pressurized water resistance (TS EN 12390-8)             | : 5 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 **S-60 COMPONENT A** powder into 10 kg **S-60 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

- **S-60 COMPONENT A POWDER**, 20 kg Kraft bag &
- **S-60 COMPONENT B LIQUID**, 10 kg Tin pail.

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 should be applied at least 3 layers in areas exposed to high water pressure such as swimming pools.
- The reinforced concrete to be applied must be cured for at least 28 days.
- It is not suitable for use in drinking water tanks.
- 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.

### QUALITY CERTIFICATES

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

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| <br><b>2163</b>  |  |
| YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ.<br>İstanbul Mermerciler Küçük San. Sit. 18. Cad.<br>No: 22 Köşeler Köyü - Dilovası / KOCAELİ<br>18<br><b>DoP number: 03.PB 1504-2.012</b>   |  |
| <b>2163-CPR-0560-5</b><br><b>TS EN 1504-2</b><br><b>S-60 / TWO COMPONENT UV RESISTANT HIGHLY FLEXIBLE WATERPROOFING MATERIAL</b><br>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<br>Principle 2: Moisture control, Method 2.2 Coating application<br>Principle 8: Increasing Resistivity by Limiting Moisture Content, Method 8.2 Coating application |  |
| Water vapour permeability   | : Class I; S <sub>D</sub> < 5 m                  |
| Capillary water absorption and water permeability   | : < 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>      |
| Adhesion strength through pull-off test   | : Without a traffic load; ≥0.8 N/mm <sup>2</sup> |
| 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

- 3.0 - 3.5 kg/m<sup>2</sup> (for 2 mm thickness)

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