

REPAIR SW

WATERPROOF STRUCTURAL REPAIR MORTAR



DESCRIPTION

- Cement based, fibre reinforced, thick aggregated, waterproof structural repair mortar with high adherence and strength.

TECHNICAL DATA

Appearance	: Grey powder
Application temperature	: (+5°C) - (+30°C)
Temperature resistance	: (-30°C) - (+80°C)
Application thickness	: 5-40 mm
Time required in-between layers	: 3 hours
Time required for foot traffic	: 24 hours
Full curing time	: 28 days
Standard class	: R3
Cavity unit volume mass	: 1900±95 kg/m ³
Grain size	: ≤3 mm
Compressive strength	: ≥25 N/mm ²
Capillary water absorption resistance (EN 13057)	: ≤0.5 kg/m ² .h ^{0.5}
Bond strength formed by adhesion	: ≥1.5 N/mm ²

- 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

- Interior and exterior walls and ceilings,
- Repair of exposed concrete and cement based plasters,
- In the edges and corners, waterproofing or chamfering application before final coating,
- In areas where structural repair is required,
- In the repair of reinforced concrete building elements,
- Used as a high strength concrete repair and finishing mortar.

PROPERTIES

- Can be applied between 5 and 40 mm.
- Can be used in vertical and horizontal applications.
- Has high compressive strength.
- Adheres perfectly to concrete and reinforcement.
- Has waterproof feature.
- Resistant to carbonation. It increases the life of the building by protecting it from corrosion and the carbon dioxide gas in the atmosphere.
- Resistant to freeze-thaw cycle.

APPLICATION

- Slowly pour 25 kg of **REPAIR SW** into 4.5-5.0 litres of water and mix with a low-speed mixer (max. 600 rpm) until a homogeneous mixture is obtained.
- The prepared mixture must be rested for 5 minutes and mixed again before application.
- The mortar to be applied is smoothed to the desired thickness with a trowel.
- After the initial setting period of the mortar (45-90 minutes after the external temperature and thickness of the mortar layer), finishing should be completed with a trowel and the surface should be smoothed with a damp sponge.
- Adhesion process should not be performed instead of expired mortar, mortar should be scraped from the surface.
- Applications with a thickness of more than 20 mm should be applied in layers and a minimum of 3 hours should be waited between each layer.

SURFACE TREATMENT

- The surface must be clean, dry, smooth and solid.
- The surface must be free of residues such as oil, dirt, paint that will prevent adhesion.
- Very absorbent surfaces must be saturated with water before application. However, water must not remain on the surface.
- Before applying to the reinforcement bars, the residues that will prevent adhesion such as rust must be removed with a wire brush.

CONSUMPTION

- 1.9 kg/m² (for 1 mm thickness)

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

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WATERPROOF STRUCTURAL REPAIR MORTAR



WARNINGS AND RECOMMENDATIONS

- It should not be applied on old painted surfaces, gypsum and aerated concrete.
- The surface must be moistened for 2-3 days after the application.
- It should not be used as a top layer for concrete floor coating on large surfaces.
- 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 application, surface must be protected from wind and direct sunlight.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

PACKAGING

- 25 kg Kraft bag (Pallet 64 bag, 1600 kg)

SHELF LIFE

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

QUALITY CERTIFICATES

- Resistance to carbonation (TS EN 13295) - Turkish Ready Mixed Concrete Association - Test report-2019

 2163 YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerciler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ 18 DoP number: 04.PB 1504-3.003	
2163-CPR-0561-1 TS EN 1504-3 REPAIR SW / WATERPROOF STRUCTURAL REPAIR MORTAR R3 CLASS Products and systems for the protection and repair of concrete structures-Definitions, requirements, quality control and conformity assessment-Part 3: Structural and non-structural repair Principle 3: Renewal of concrete, Method 3.1 Manual application of mortar, Method 3.2 Casting concrete again	
Compressive strength	: ≥25 MPa
Chloride ion content	: ≤0.05%
Bond formed by adhesion	: ≥1.5 MPa
Limited shrinkage / expansion	: ≥1.5 MPa
Elasticity module	: ≥15 GPa
Carbonation resistance	: Acceptable
Capillary water absorption	: ≤0.5 kg/m ² .h ^{0.5}
Fire reaction class	: A1
Hazardous substance	: Suitable

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