

weberdry FDF plus solar⁺

Elastomeric resin based, UV resistant waterproofing material

Technical Data Sheet
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■ Description

Elastomeric resin based, ready to use, UV resistant, super-flexible waterproofing material.

■ Reference standards

TS EN 14891 / April 2013
Dispersion based water waterproofing product, applied in liquid form, has crack bridging at low temperatures (-20°C) and has resistance to chloride
TYPE: DM, CLASS: O2P

■ Advantages

- High UV resistance and reflection (300-hour test)
- Resistant to temperature differences with super-flexible structure
- Over 1 mm of crack bridging even at low temperatures
- Resistance against dirt, easy cleaning feature with improved performance
- Resistance to water ponding
- Resistance to light foot traffic
- Safe for using on metal substrates
- Increasing the efficiency of solar panel covered roofs due to its high reflectivity

■ Application areas

Used as UV resistant, coloured, ready-to-use, super flexible waterproofing material on roofs and terraces, streams and gutters, chimney and parapet flashings, solar panel covered roofs, north facades for interiors and exteriors of all buildings.



■ Application substrates

- Interior and exteriors;
- Cement based screeds, renders, concrete and boards
 - Galvanized, zinc and aluminium substrates
 - Old bitumen substrates (at least 1 year old)
 - PVC, polyester and wood covered substrates

Please consult us for all other application substrates.

■ Preparation of substrates

- Substrate should be clean, smooth, sound and free from adhesion blocking residues like mould oils and loose particles.
- Major deformations and holes on the substrate should be repaired at least 24 hours before **weberdry FDF plus solar⁺** application using **weberep MA 200**; where quick application or sulphate resistance is needed, **weberep HKS** should be used instead.
- Application substrates should be primed with 1/4 water diluted **weberdry FDF plus solar⁺**.
- Though substrates like old bitumen and metal should be primed with **weberprim EP 2K** for high adherence.

■ Application conditions

- Ambient temperature between +10°C and +35°C.
- Avoid application in extremely hot and/or damp weathers.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- After the primer coat application, **weberdry FDF plus solar⁺** is applied on the entire substrate without diluting at least in 2 coats using lambskin roller, brush or spraying method.
- Thin cracks, joints, corners and edges should be supported with polyester felt after the first coat application.
- Polyester felt should be applied on the entire substrate after the first coat application on terrace roofs. Second coat should be applied perpendicular to the first coat after it gets dried.
- Wait at least 6 hours between coats.

■ Application tools

Brush, roller, spray

■ Consumption

1.5-2.0 kg/m² (for 1 mm application thickness)

■ Points of attention

- Not applicable against negative water pressure.
- Do not ever use salt water.
- Do not ever add any foreign materials.
- Dilatation joints on application substrates should not be covered with **weberdry FDF plus solar⁺**; **weber superflex dilatation tapes** should be used instead to ensure the continuity of waterproofing.
- All tools used during the application should be cleaned with water right after use before drying.

■ Technical specifications

PRODUCT	weberdry FDF plus solar*
Product structure	Elastomeric resin
Colour	Grey, White
Mortar density	1.48±0.1 g/cm ³
Application thickness	1.0-1.5 mm
Touching time	2 hours
Time to wait between coats	6 hours
Full drying time	48 hours
Time required for mechanical resistance	7 days
Time required for waterproofing	7 days
Time required for reaching final performance	7 days
PERFORMANCE	
Bonding strength	≥1,0 N/mm ²
Crack bridging (+20°C)	≥2 mm
Crack bridging (-20°C)	≥1 mm
Cappillary water absorption	≤0,1 kg/m ² h ^{0,5}
Elongation at break	≥%250
OTHER PERFORMANCE CHARACTERISTICS	
Solar Reflective Index (SRI)	113
Reflectivity	%94
Emissivity	%92

■ Storage

Packaging	20 kg and 5 kg plastic drum
Colour	Grey, White
Shelf life	<ul style="list-style-type: none">• 2 years from date of manufacture when stored in dry and cool environment.• Packages should be kept tightly closed when not in use.• Packages should be protected against frost.• Multiple pallets should not be stacked on top of each other during transportation and storage.

■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

LEGAL DISCLAIMER

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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