

# weber.tec 827 S (Superflex 40 S)

## Epoxy-resin based, two component, flexible waterproofing material

### ■ Description

Epoxy-resin based, two component, acid and alkali resistant, flexible, trowel grade waterproofing material for horizontal, vertical and inclined substrates.

### ■ Advantages

- Resistance to acid and alkali,
- High substrate bonding,
- Flexible structure and crack bridging,
- Resistance to heat and frost.

### ■ Range of application

- Used as waterproofing material resistant to acid and alkali in interior and exterior of all structures, particularly in swimming pools, thermal and spa pools, commercial kitchens, laboratories, balconies, terraces and wet duty areas.

### ■ Application substrates

- Cement-based renders and screeds,
- Concrete,
- Old glazed and unglazed tile coatings,
- Asphalt,
- Please consult us for other application substrates.

### ■ Performance

- Color: Gray
- Density: approx. 1,25 kg/dm<sup>3</sup>
- Resistance to heat:
  - In dry state: up to + 70 °C
  - In wet state and under water: up to + 40 °C
- Dry residue ratio: 100 %.

### ■ Application properties

- Time to open for pedestrian traffic: 24-48 hours
- Time to open to full service: 7 days
- Pot life: 20 min
- Applicable coats: 2 coats
- Time between the coats: min 24 hours, max 3 days
- Application thickness: 1,2-2 mm.

### ■ Conditions of application

- Ambient temperature: between +10 °C and +30 °C.
- Avoid application in very damp and/or hot weather.
- It should not be used on substrates which are frozen or melting or have the risk of frost or rain within 24 hours.

### ■ Preparation of substrates

- Substrates should be clean, smooth, sound and free from adhesion diminishing residues of form oil, paint and loose materials.
- Tile coated and stainless steel equipment which will constantly remain under water should be roughened mechanically before the application of **weber.tec 827 S**. In the applications to be performed on tile coatings on other substrates, it should be checked before the application whether **weber.tec 827 S** sticks on tile substrate well or not. In case of any inconvenience with the substrate bonding, the substrate should be roughened with the method of sanding etc.
- Cement-based substrates should be primed with **weber.floor 832 T**. Bonding strength of such substrates should be min 1,0 N/mm<sup>2</sup>; their moisture contents should not exceed 4 % by weight and substrate temperature should be min 3 °C over the temperature of condensation. **weber.floor 832 T** primer coat should be roughened by sanding or **weber.tec 827 S** application should be started while it is still sticky.

### ■ Application

- For **weber.tec 827 S**, component B should be completely discarded into component A and mixed with a low-speed mixer for min 3 minutes until it reaches a homogenous state. To prevent possible adverse effect of unmixed material on the sides of the package, mixture should be placed into a separate container before the application. Partial mixture should be avoided as much as possible, however; 100/45 mixing ratio (Component A / Component B) should be observed if it is unavoidable.
- **weber.tec 827 S** should be applied to horizontal, inclined and vertical substrates with steel notched trowel and spread in equal thickness with flat trowel. Application thickness of the first coat should be between 0,8 mm and 1,5 mm. Application of the second coat should be initiated min 24 hours, max 3 days later and coat thickness of 0,4 mm - 0,5 mm should be ensured. Total application thickness in two coats should be 1,2-2 mm.
- In case tile application is to be made with **weber.kol flex klasik** and **weber.kol superflex**, application of **weber.tec 827 S** should be sanded with 0,7-1,2 mm quartz sand not to exceed 0,5 mm coat thickness while it is still wet. Excess sands on the substrate should be cleaned up with pressured air. Tile application can be initiated min 24 hours after sanding. In case tile application is made with **weber EP 700** within 5 days following the application of **weber.tec 827 S**, sanding is not required.

### ■ Attention points

- For the mixture, only two components of product should be used and no water or foreign object should ever be added.
- Dilatation joints on application substrates should not be covered with **weber.tec 827 S**, the continuity of the waterproofing at these points should be ensured with **Superflex B 240 / Superflex B 400** waterproofing tapes.
- **weber.tec 827 S** should not be left uncovered for direct use; it should be coated with tile etc.
- All tools used for application should be cleaned with synthetic thinner after application.

### ■ Limits of application

- Not applicable on glass mosaic and glass substrates.
- Avoid application of **weber.tec 827 S** on old tile coatings in balconies and terraces on the upper floors of living areas.
- Please consult us for chemical resistance information of **weber.tec 827 S** for the chemicals not indicated in Chemical Resistance Table.

### ■ Consumption

Application areas	Total thickness of application	Consumption
Swimming pools, thermal pools and spa pools	2 mm	2,5 kg/m <sup>2</sup>
Commercial kitchens (cooking and washing areas)	2 mm	2,5 kg/m <sup>2</sup>
Commercial kitchens (other areas)	1,2 mm	1,6 kg/m <sup>2</sup>
Laboratories	1,2 mm	1,6 kg/m <sup>2</sup>
Wet duty areas	1,2 mm	1,6 kg/m <sup>2</sup>
Balconies and terraces	1,2 mm	1,6 kg/m <sup>2</sup>

### ■ Packaging

Net 8 kg combi tin.

### ■ Application tools

Hand mixer, steel notched trowel, flat trowel.

### ■ Shelf life

1 year from the production date in dry and cool ambient.  
Package should be kept tightly closed when not in use.

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

> **Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş.** is not responsible for the application errors arising from use of product beyond its intended purpose or failure to comply with the foregoing application conditions and advice on the product.



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