

weber.rep AD

Anti-corrosive and bonding coating and primer

Technical Data Sheet
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■ Description

Cement based, high performance, polymer modified anti-corrosive and bonding coating and primer

■ Advantages

- Perfect anti-corrosive resistance.
- High bonding to concrete and reinforcement bars.
- High mechanical resistance.
- Easy application.

■ Range of application

- Applied as coating of reinforcement bars guarding against corrosion at concrete repairs. But also applied as bonding primer on the old substrates prior to the fresh concrete, repair mortar and screed at all building types.

■ Application substrates

- Cement based substrates (old concrete, screed and similar.)
- Reinforcement bars
- Please consult us for other application substrates

■ Application properties

- Ready mortar density : 1,75 gr/cm³
- Pot life : avrg. 5 hours
- Duration between coats : 4 hours
- Application thickness : Min. 1-1,5 mm (2 layers)

■ Performance

- Adhesion strength : > 1,5 N/mm² (28 days)
(Together with **weber.rep MA 200** and **weber.rep HKS**)

■ Attention points

- The rust and dust should be removed from the corroded bars mechanically.
- For high bonding function, the next application should be done on wet on wet just after the end of **weber.rep AD** application.

■ Preparation of substrates

- Reinforcement bars:
 - The surrounding of reinforcement bars should be opened and broken off from concrete
 - The rust and dust should be removed from the corroded bars mechanically.
- Concrete substrates:
 - The substrate should be clean, dry and free from mold oils and similar preventing residues.
 - The substrate should be checked with hammer for the low adherence substrate. Weak parts should be removed from the substrate.
 - The substrate should be damped before the application, it should be saturated with water under very hot and windy weather.

■ Conditions of application

- The surface and ambient temperature is between +5 °C and +30 °C.
- Avoid application in strong wind or sun.
- It should not be used on substrates which are frozen or melting or have the risk of frost within 24 hours.

■ Application

- 25 kg bag of **weber.rep AD** should be put in the container with 7,5 liters clean water slowly.
- **weber.rep AD** should be mixed with low speed mixer until the homogeneous state is achieved for about 3-5 minutes. The mixture should be aged for 2 minutes before the application.
- Ready mixture should be applied on reinforcement irons and/or cement based substrates strongly with brush or roller strongly for anti-corrosive or bonding purpose.
- For high bonding function, the next application should be done on wet on wet just after the end of **weber.rep AD** application.

■ Consumption

1,5-2, kg/m² (depending on absorptivity of substrate and application type).

■ Packaging

25 kg. craft bag.

■ Color

Cement grey.

■ Application tools

Hand mixer, brush, roller.

■ Shelf life

12 months as of the production date in dry and moisture free environment provided that packages will not be opened.
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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