

INNO-DECO

FOX DOMINO® AC SEALER FD790

Acrylic-Based, Single-Component, Water-Based, Dust-Proofing and Water-Repellent Final Protective Coating

Description

FOX DOMINO® AC SEALER FD790 is an acrylic-based protective material used to prevent dusting of all types of concrete surfaces and to provide a glossy appearance.

Fields of Application

- On all types of old or new concrete, fair-faced concrete and industrial concrete surfaces,
- On cement-based floor coatings and terrazzo surfaces,
- On floors and walls where a glossy appearance is desired,
- On surfaces treated with surface hardeners,

Advantages

- Increases abrasion resistance and prevents dusting.
- Provides water impermeability and prevents cracks that may occur due to freezing.
- Can be used as a polish thanks to the glossy film layer it forms.
- Preserves the natural appearance of the applied surface.
- Easy to apply and use.
- Provides a smooth surface that is very easy to clean.
- Water-repellent.
- Solvent-free.

Technical Properties

Material Structure	Liquid acrylic copolymer dispersion
Color	Opaque White
Density	1.0±0.05 g/cm ³
pH Value	12.0±0.5
Solid Content	13%±1
Dilution	Not dilutable
Drying Time	6 hours
Application Substrate Temperature	+5°C/+30°C
Second Coat Application Time	4 hours

The above values are given for +23°C and 50% relative humidity. Higher temperatures shorten the duration, while lower temperatures extend it.

Surface Quality

FOX DOMINO® AC SEALER FD790: If the surface to be treated is a newly applied cement-based floor, it must have completed curing, be sound, and have sufficient compressive strength (minimum 25 N/mm²). If applied on existing concrete, it should be checked to ensure that adequate strength has been achieved. The surface moisture content must be a maximum of 4%, and the substrate temperature should be between +5°C and +30°C. Additionally, care must be taken to ensure that the substrate temperature is at least +3°C above the dew point.

Application Procedure

Substrate Preparation

If **FOX DOMINO® AC SEALER FD790** is applied on an existing cement-based substrate, cracks must be repaired and all loose particles must be removed from the surface. The surface should then be sanded and cleaned using an industrial vacuum cleaner. If the substrate is a newly applied cement-based self-levelling floor and there are no existing cracks, the application of **FOX DOMINO® AC SEALER FD790** can proceed after sanding.

Application Conditions

- For applications on newly poured concrete, the concrete must be allowed to cure for at least 28 days.
- The substrate, material, and ambient temperature should be between +5°C and +30°C.
- The moisture content at a depth of 2 cm in the concrete must be below 4%. Test methods: C-Aquameter, CM-Device, Darr Method.
- There must be no rising moisture according to ASTM standards (polyethylene sheet test).
- Relative air humidity must be a maximum of 80%.



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- Pay attention to dew formation and condensation!
- Dew formation and water vapor condensation on untreated or newly coated surfaces may damage the coating. To prevent this, the substrate temperature must be at least +3°C above the dew point.

Mixing

FOX DOMINO® AC SEALER FD790 is ready to use and does not require mixing.

Application

FOX DOMINO® AC SEALER FD790 is applied using a short-nap, white velvet roller. The application rate should be adjusted according to the condition of the surface. Depending on the surface condition, **FOX DOMINO® AC SEALER FD790** can be applied in 2 or more coats.

Cleaning of Application Tools

Tools and equipment used after application should be cleaned with solvent.

Consumption

100–200 g/m² (for 2 coats)

Packaging

5 kg/can

Shelf Life

When stored properly at room temperature, away from direct sunlight, and between +5°C and +30°C, the shelf life is 12 months from the date of production.

Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, a maximum of 3 pallets should be stacked, and shipments should be carried out according to the first-in, first-out (FIFO) system. For long-term storage, pallets should not be stacked.

Safety Precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas must be well ventilated. During application, appropriate work clothing, protective gloves, goggles and masks must be used in accordance with occupational health and safety regulations. Avoid contact with skin and eyes during storage and application; in case of contact, wash immediately with plenty of water and soap. In case of ingestion, seek medical attention immediately. Food and beverages must not be brought into application areas. Keep out of reach of children. For detailed information, refer to the Safety Data Sheet (SDS).

Liability

The data provided in this technical document are based on our scientific and practical knowledge. Fox Bau Yapı Kimyasalları A.Ş. is only liable for the quality of the product. Our company cannot be held liable for any consequences arising from uses other than the written recommendations regarding where and how the product should be used and/or from incorrect applications. For detailed information, please refer to the Safety Data Sheet and Technical Data Sheet or contact our company representatives.

