
TECHNICAL DATA SHEET**en****Name of product:****H2O Efadeck 0548**

Type of product:

Water borne 2-pack epoxy paint for concrete floors
Mix 4,2 liters H2O Efadeck with 1 liters of Catalyst 0610 06235.

Application:

For painting of interior concrete floors and -walls, where high durability, easy cleaning and good resistance against chemicals is necessary.

Properties:

Hard wearing, with good resistance against water and chemicals. The abrasion resistance is measured according to Taber-abraser (ASTM D 4060-84): 71,8 mg/1000 rpm.

Provides a non-porous surface.

Resistant to gasoline, oil and other common chemicals.

Efadeck H2O Heavy may be used on concrete walls requiring a glossy surface which cleans easily.

Slip resistance:

The slip resistance is measured by friction test GMG-200. The result is: 0,51 (Baua: Safe, low likelihood of falling).

Solids:

57 weight %

46 vol. %

Ready to use mixture: Yes

Pre-treatment:**UNPAINTED FLOOR:**

The floor must be clean and dry - max. 10 % RH. The temperature of the floor has to be at least 3°C above the dew point. If the surface is very dense and compact and the paint difficult penetrates, then the surface must be sanded first. Perform test with water drop (see below).

NB! The paint must be stirred homogeneously before mixing with the catalyst. When the paint and Catalyst are mixed together stir the mixture homogeneously before use.

Then Efadeck H2O Heavy, diluted with 10% of water, is applied:

Mix Efadeck H2O Heavy with Catalyst 0610 06235 in the ratio 4,2:1.

After thorough stirring 10% of water is added.

A brush or a broom is preferable for application of the priming coat.

Apply a second coat of Efadeck H2O Heavy mixed with catalyst after min. 4-6 hours but max. 24 hours drying time. If preferred, this coat may be applied with a roller.

NB! By painting on self-compacting concrete the first layer has to be diluted 50 % with water and the second layer by 25 %. The toplayer must not be diluted.

ATTENTION! Efadeck H2O Heavy must NOT be diluted with water in the final treatment. This may cause poor water resistance and chemical resistance.

PREVIOUSLY PAINTED FLOORS:

Please contact our technical department for advice.

Efadeck H2O Heavy will adhere well to floors, previously painted with Efadeck, series 0451. Must be sanded before treatment to achieve adhesion.

Please be advised that Efadeck works best at temperatures >15°C and RH <85%. Lower temperatures and/or higher humidity may significantly extend the drying time and may change the properties of the paint.

GRINDING OF CONCRETE FLOORS:

Prior to painting a concrete floor, it is necessary to check if the concrete will allow the paint to penetrate and adhere. This may be done by placing drops of water on the concrete surface and observe if the drops remain as pearls on the surface, or if the concrete surface absorbs the water. If the water penetrates the concrete surface, the floor will be ready to paint after cleaning and vacuuming. If the water remains as pearls on the surface of the concrete, the concrete must be ground with a suitable floor grinder or shot blasted. The grinding must be through enough to allow the water droplets to penetrate into the concrete.

WALLS:

The base surface should be clean and free of dust. Application is done in the same way, as on concrete floors.

Application:**Method:**

Brush and roller

Recommended viscosity:

No thinning required

Thinner:

Attention! DO NOT dilute Efadeck H2O Heavy with water in final treatment and it must be applied in thin layers!

2-Pack Products:**Catalyst**

0610-06235

0610-06235 WEIGHT:

Mixing ratio (volume)

4,2 : 1

4,75 kg : 1 kg

Pot life

3 hours 20 °C

3 hours 20 °C

Drying:

	Drying time	Film thickness - dry
Dry to recoat	4-6 timer hours 20 °C	.
Recoat before	1 day(s) 20 °C	.
Dry to use	2 day(s) 20 °C	.
Fully cured	1 week 20 °C	.
Can be cleaned after	1 week 20 °C	.

Recommended coating thickness: Wet film: 130 µm Dry film: 60 µm

Coverage: Theoretical: 8 m²/ltr.

Storage: Store above 5° C.

Shelf-life: 12 Months in an unopened container

Cleaning: Tools clean with water.

Available colors: Grey, white and black.

Note:

The painted floor must not be used before it has dried for 2 days. Cleaning of the floor must not take place before it has dried for 7 days.
NB! Use of strong chemicals on the floor can destroy the surface of the paint and thereby reduce the cleanability of the floor.

Please note: Floors to which curing have been applied cannot be painted with Efadeck, since the curing will affect the adhesion of the paint.

Please make sure that the entire quantity of paint needed for the job has the same batch number.

Use of different batch numbers may lead to variations in shade unless the batch numbers are mixed prior to application.

Please note:

Please make sure to establish adequate ventilation during the drying of the paint. The removal of large quantities of water vapour is a prerequisite for the curing of the paint.

If the drying conditions prove challenging, use of dehumidifiers is recommended.

Efadeck H2O Heavy series 0548 may turn slightly yellow by exposure to direct sunlight.

If a non-yellowing floor is required for esthetical purposes, we recommend PUR Enamel, series 0440.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their use. It should not, therefore, be construed as guaranteeing specific properties of the product described or its suitability for a particular application. The quality of our products is guaranteed under our General Conditions of Sale.

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