

TECHNICAL DATA SHEET

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Name of product:

Efadeck™ Clear 0454

Type of product: Single-pack moisture curing polyurethane floor clear coat.

Application: This product is for professional use only. Wooden and concrete floor coating, where a strong, dust-free surface is required. Can also be used as a mold lacquer for concrete moulds.

Properties: Efadeck™, series 0454, is a clear coat with a brownish color. Efadeck™, series 0454, should be used with a view to reinforcing the floor rather than for an aesthetic purpose. After treatment, the floor will look like wet concrete.
Hard wearing, with good resistance against water and chemicals. The abrasion resistance is measured according to Taber-abraser (ASTM D 4060-84): 38,7 mg/1000 rpm.
Spills of gasoline, engine oil, diesel, waste oil, battery acid, or brake fluid will not harm the paint, if the spills are removed without delay.

Solids: 40 weight % 35 vol. %

Pre-treatment: The floor must be clean and dry - max. 10 % RH. If the concrete has been steel trowelled to make the surface impenetrable, thorough grinding is recommended (pls. see below).

Apply Efadeck™, series 0454, without thinning.

NB! By painting on self-compacting concrete / self levelling compound, the product likewise has to be applied without thinning.

Since Efadeck™ 0454 not only coats the surface, but also penetrates and strengthens the concrete, two coats are recommended. The second coat should be applied, no later than 24 hours after the first.

Provide generous ventilation during application and drying. Insufficient ventilation may lead to gloss differences in the finished product.

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.

Application:

Method:	Recommended viscosity:	Thinner:
Broom	No thinning required	
Brush and roller	No thinning required	

Drying:

	Drying time	Film thickness - dry
Recoat before	24 hours 20 °C	30 - 50 µm
Dry to use	6-10 hours 20 °C	30 - 50 µm
Dry to use @ low temperature	24 hours 15 °C	Since the product dries by using the moisture from the air, the drying time will be longer at low humidity (eg. during the winter period). Minimum humidity is 30%.

Recommended coating thickness:	Wet film: 100 µm	Dry film: 40 µm
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Coverage:	Theoretical: 7 m ² /ltr.
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Storage:	Store cool and dry
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Shelf-life:	24 Months in an unopened container
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Cleaning:	Tools clean with Synthetic Thinner 0700-68063.
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Note:	Low humidity and/or low temperatures extend the drying time.
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Please note: Floors to which curing have been applied cannot be painted with Efadeck™, since the curing will affect the adhesion of the coating.

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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