

ERADUR® PU750 STRUKTUR

Floor coating with slip-resistance that withstands acids and heat



Eradur® PU750 Struktur is a hard polyurethane coating with good abrasion resistance and slip-resistance.

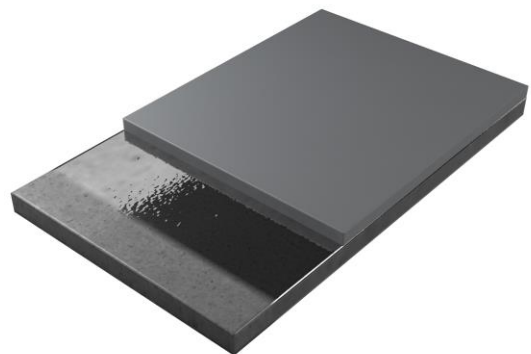
Eradur® PU750 Struktur is able to handle hot-water, steam cleaning, and has good resistance to organic and inorganic acids. Surfaces where the seamless coating is free from pores and impervious to liquids and cleanability are desired.

Eradur® PU750 Struktur is used in both dry and wet industrial environments. The slip protection is adjusted by choice of grain size and surface treatment. With hard mineral type Corundum or Silicon carbide, the coating can be made extra abrasion resistant.

The coating is made with 4-9mm layer thickness depending on the load and can be done in most colors. However, the coating turns yellow and darkens over time and in UV light. Can be made with a UV-protective topcoat in matte or glossy finish.

Eradur® PU750 Struktur is suitable coating for:

- Food industry
- Dairy
- Wastewater treatment plants
- Breweries
- Butchery
- Breweries
- Waste management
- Asphalt surfaces



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eradur®
SEAMLESS FLOORING

PROPERTIES PU750 STRUKTUR

Adhesion	Very good adhesion to clean concrete as well other substrates..
Abr. resistance	Very good resistance against intense rolling and abrasive traffic.
Permeability	The seamless coating is free from pores and impervious to liquids.
Chemical resistance	Excellent. Withstands continuous load of the majority of chemicals and acids, but not aggressive solvents

Substrate and conditions

The concrete must be fully cured, RH max 93% and laitance removed by diamond grinding or blasting. The concrete surface should have a tensile strength exceeding 1.5 MPa and should be dry, dust-free and well cleaned. Asphalt and bitumen should be grinded or milled off. During application the surface temperature of the floor should exceed 12°C (54°F) and the relative humidity (RH) of the air 80%.

Small cavities and cracks in the substrate must be repaired with epoxy products, cement mortars are not used in thin layers.

The Eradur products in the coating system are two pack products and must be mixed thoroughly before application. The mixing proportions are important and therefore batch-packed material should not be parted. Pot-life is 30-60 minutes dependent on product and temperature. Base, hardener and filler material should be room temperature before use.

High relative humidity, or if the temperature drops below the dew-point during the first 24 hours after application, may rise to surface disturbances like a matt haze. This is only a surface effect and will not affect durability or chemical resistance.

Coating Thickness

The coating is usually carried out in 4-9 mm layer thickness. For wells and surfaces with similar thermal load, the coating should be made with a layer thickness of 9 mm to protect against heat shocks.

Slip-resistance

Eradur® PU750 Struktur is recommended, which can be adapted to the requirements set on the actual surface.

Construction Eradur® PU750 Struktur 4mm

Primer: Eradur® Primer N/Primer G, alt. Eradur® Plus Primer: 0,3 kg/m².

Sand: quartz sand #7: 1,0 kg/m²

Slurry: Eradur® PU750: 2,1 kg/m² + quartz sand 0,1-0,3: 1,0 Kg/m².

Sand: quartz sand 0,7-1,2: 3.0 kg/m²

Topcoat: Eradur® PU750: 1,1 Kg/m² .

Curing time

The curing time depends on the temperature. Normally, the floor can be loaded 24 hours after the last operation. Full cure is achieved after 5-10 days.

	12 °C	20 °C	30 °C
Light loads	38 h	24 h	12 h
Heavy loads	72 h	36 h	24 h
Full chemical resistance	10 days	7 days	5 days

Swedish standard

Eradur® PU750 struktur has been tested according to CE EN 13813

System properties

Appearance:	Smooth surface
Compressive strength	>48 MPa
Tensile strength:	> 11 MPa
Flexural strength	> 24 MPa
Hardness (Shore D)	ca 75

Color

See color chart on our standard colors. Also available in most RAL and NCS colors. Due to a certain darkening and yellowing tendency, the coating should be done in shades of yellow, unless a UV-protective Topcoat is used.

Environment

A long working-life (10-25 years) and good function with tailor-made properties means that the coating is a long-term good environmental choice, with low costs of maintenance. See environmental declaration.

Seamless floors give dense surfaces and give rise to great hygienic and environmental advantages. The floor surface is easy to clean and the demand for chemicals for daily cleaning and maintenance, is reduced.

Hygiene at worksite

Eradur epoxy products are two pack formulations of thermosetting plastic, which mean that only trained personnel are allowed to handle the products. Areas, where work with isocyanath/epoxy is being performed, must be separated with signs and have a good ventilation. Other activities may not take place within the defined work area. Persons, having isocyanath-asthma or are allergic are not to be within the work-area. The cured coating is of no hazard from a health or environmental point of view. See environmental declaration.

Adherence to local regulations for work with reactive plastics is necessary, see the latest regulations on www.av.se.

Maintenance

The coating is resistant to common used industrial cleaners and cleaning methods, including high-pressure cleaning.

See separate cleaning instructions.

After years of wear, reconditioning is possible with new surface top.

Eventually damaged or worn coatings are best repaired by authorized Eradur entrepreneurs.

Guidance for projecting

Difficult environments often demand special pre-treatment or preparation. Eradur AB offers guidance and technical service for the right choice of coating in order to fulfil demands in different environments.

Experience and knowledge are needed for an adequate result and we work together with authorized Eradur entrepreneurs.

General information

Contact Eradur AB for questions about the area of use, chemical resistance and application conditions.

Description text, example

MHG Eradur® PU750 Struktur, Color: RAL 6021, thickness 4 mm. Coved skirting 100 mm, radius 50 mm, mass as the floor coating. Sveff's quality documentation must be followed. Supplier Eradur AB. Execution according to the supplier's instructions mass as the floor coating.

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