

ERADUR® TRAFFIC/PARKING

Coating-system for garages, walkways, ramps and loading docks



Eradur® Traffic/Parking is a coating system for surfaces with traffic that needs to be protected against penetrating salts and contaminants.

Eradur® Traffic/Parking is available in a large number of colors. The surfaces are bright, safer, more secure and easier to clean. The coating is also suitable for outdoor surfaces.

Eradur® Traffic/Parking has the abrasion resistance and slip-resistant wear layer and is formulated to withstand rolling traffic, resistant to pollutants such as gasoline, diesel, battery acid, etc.

The coatings are made with or without crack bridging membranes depending on how much the structure is moving.

The coating can withstand commonly used detergents and high-pressure washers.

Eradur® Traffic/Parking is used on surfaces where differences in building design, load, temperature, exposure, substrate, and other conditions mean that only a very general description can be made here.

Traffic loads usually vary greatly on the surfaces being coated, and ramps, for example, normally have higher wear as well as surfaces where you turn and brake, etc.

Contact Eradur AB for a proposal of our coating system Eradur® Traffic/Parking adapted to the surfaces and conditions prevailing in the present case.

The general structure of Eradur® Traffic/Parking:

- Epoxy primers that penetrate and strengthen the concrete substrate, provide adhesion and form a barrier against alkali in the substrate.
- Polyurethane crack bridging membrane to prevent water and salts dissolved therein into microcracks.
- Wear layer of a tough, resilient, impact-resistant polyurethane with sand ballast, or the tougher mineral Dynagrip™, which also gives the coating its surface structure.
- The Top layer consists of harder and stronger polyurethane/epoxy for maximum abrasion resistance and chemical resistance.

The coating is blank, solid in color and is usually made in 3-6 mm layer thickness with slip-resistance.

PROPERTIES TRAFFIC/PARKING

Adhesion	Very good adhesion to clean concrete as well other substrates..
Abr. resistance	Very good resistance against intense rolling and abrasive traffic.
Slip-resistance	The coating is supplied with slip-resistance that can be adapted for the current environment .
Permeability	The seamless coating is free from pores and impervious to liquids.
Chemical resistance	Resistant against common industrial chemicals, alkali, diluted acids and mineral oils. See separate table of chemical resistance

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 2-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 performed 3–6 mm layer thickness.

Slip-resistance

The slip-resistance can be adapted to the requirements set on each surface. Where desired, the surface structure may be practically formed as a smooth coating. Best mechanical resistance is obtained with a sprinkled structure with slip-resistance. It is advisable that the contractor performs a reference area.

Construction Eradur® Parking, 5 mm

Primer: Eradur® Primer N, alt. Eradur® Plus Primer: 0,25 kg/m².

Sand: Quartz Sand 0,3-0,7: 0,3 kg/m².

Flexible membrane: Eradur® Flexseal: 1,5 kg/m².

Wear layer: Eradur® PU350 PD: 1,5 kg/m² + quartz sand: 4-6 kg/m².

Top coat: Eradur® PU750 PD: 1,1 kg/m².

Construction Eradur® Traffic

Primer: Eradur® Primer N, alt. Eradur® Plus Primer: 0,25 kg/m² .

Sand: Quartz sand #7: 0,5 kg/m².

Wear layer: ERADUR® PU350 PD + Ballast: 3,5 kg/m² + Dynagrip 6-8 kg/m².

Top coat: ERADUR® PU750 PD: 0,9-1,1 kg/m².

Flexible membrane: if necessary.

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	36 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® Massiv SL has been tested according to CE EN 13813

System properties

Appearance:	Blank, Slip resistance surface
Compressive strength:	>45 MPa
Tensile strength:	>11 MPa
Flexural strength:	>24 MPa
Hardness (Shore D)	ca 60

Color

See the color chart on our standard colors. Also available in most RAL and NCS colors. Due to the darkening and yellowing tendency, the coating should be done in yellow tones unless a UV protective Topcoat is used. Outdoors, the top layer should be made with Eradur PU750 PD-UV, which is a non-yellowing polyurethane. Line markings, traffic markings, and warning fields are made with wave component products for optimum service life and function.

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 2-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 www.av.se (AFS 2015:43).

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® Parking, Color: RAL 7032, thickness 5 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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These instructions and recommendations are given from our own experiences with the products. As the performance of the work is our control, our responsibilities are limited to the quality of the products. Our experience and knowledge on the products are naturally broader than could be described in this text. Please contact us for further information.