



EURODUR EP 0211

2-component epoxy resin coating

Product description	EURODUR EP 0211 is a crack-bridging, solvent-free, levelling coating.
Area of application	EURODUR EP 0211 is suitable for use in chemically and mechanically stressed areas, e.g. facilities for the production, treatment and use of water-polluting substances.
Product characteristics	<ul style="list-style-type: none">- good levelling properties- solvent-free- high chemical resistance e.g. to solvents, fuels, oils, mineral acids, alkaline solutions and salts- crack-bridging (0.2 mm)- traffic-resistant- liquid-tight
Colours	approx. RAL 7032, other colours upon request
Substrate preparation	<p>The substrate to be coated must be flat, dry, dust-free, have adequate tensile and compressive strength and be free of poorly bonded components and surfaces. Adhesion-reducing substances such as grease, oil and paint residues must be removed in advance using suitable methods. The substrates to be coated must be mechanically prepared, preferably by shot blasting. The prepared surface must be carefully, fully primed to eliminate pores.</p> <p>Recommended product: EURODUR EP 0100. It is often difficult to evaluate substrates with respect to freedom from pores. Therefore, a scratch coat that also smooths the substrate is recommended. If substrate pores are not eliminated by priming, air escaping from the substrate may create bubbles and pores in the coating.</p>



Processing conditions

The floor and air temperature must not be less than 8°C and/or the humidity must not exceed 75%. The difference between floor and room temperature must be less than 3°C to prevent improper curing. If a dew point condition arises, normal curing cannot take place. Irregular curing and staining occur. The stated curing times refer to 20°C. At lower temperatures the processing and curing times become longer. They become shorter with increases in temperature. If working conditions are not complied with, deviations can arise in the technical properties of the end product. The statements concerning processing and object temperature also apply to the material.

Handling

EURODUR EP 0211 is supplied with the correct ratio of components A and B. Completely empty the B component into the A component container. Mixing is carried out mechanically using a slow-running stirrer (200–300 rpm) and should take 2–3 minutes. The mixing procedure must continue until a homogeneous, streak-free state is achieved. To prevent mixing errors, repotting the resin/hardener mixture into a clean container and briefly remixing is recommended.

The **EURODUR EP 0211** coating material is applied no earlier than 18 hours and no later than 48 hours after priming. Do not divide containers!

On vertical surfaces, 2–4% fibre suspending agent must be added to the coating material to ensure the trowelled material remains in place on the vertical surface.

Cleaning

Fresh material can be removed from tools using EUROLASTIC Cleaner G. Mechanical cleaning will be required if the material has fully cured.

Consumption

approx. 2.5 kg/m² provides a layer thickness of approx. 1.6–2 mm

Packaging

EURODUR EP 0211 is delivered in 10 kg and 30 kg containers.



Storage and shelf life	Store in a cool, dry place (+10°C to +20°C). Bring to the appropriate handling temperature before application. Close the open container tightly and use as soon as possible. Under these conditions, the shelf life of unopened containers is 12 months.
GISCODE	GISCODE RE 1
Tests / Approvals / Standards	- EU Directive 2004/42: Limit 500 g/l (2010,II,j/lb): Ready-to-use product contains < 500 g/l VOC.
Special instructions / protective measures	EURODUR EP 0211 may only be used in well ventilated areas. Suitable protective clothing must be worn when working. Waste and containers must be disposed of in a safe manner. Avoid release into the environment. Completely empty containers can be returned to the KBS/Interseroh recycling system. The instructions in the applicable safety data sheet must be strictly observed.



Technical data*		
Raw material base		Epoxy resin
Mixture ratio		4: 1
Material consumption (depending on substrate)	kg/m ²	approx. 2.5
Specific weight components A+B DIN EN ISO 2811-2 (20°C)	kg/l	1.6
Solids content	%	> 99
Number of components		2
Weight loss (after 28 days)	Weight in %	0.3
Water absorption (DIN 53495)	Weight in %	< 0.2
Viscosity components A+B (DIN EN ISO 3219) at 23°C	mPa s	2600
Processing time at 10°C	min	40
Processing time at 20°C	min	20
Processing time at 30°C	min	10
Traffic-readiness (10°C)	h	24–36
Traffic-readiness (20°C)	h	14–18
Traffic-readiness (30°C)	h	10–14
Full mechanical load-bearing capacity (20°C) chemical (20°C)	day	2–3
	day	7
Application temperature (room and floor temperature)	°C	from +8 to +30
Shore D hardness DIN 53505 (after 7 days)		65
Abrasion (Taber Abraser test) ASTM D4060	mg	50
Shore D hardness (7 days) (DIN 53505)		65

*These are approximate values. The values are not intended for the preparation of specifications.

The data was determined at +23°C and 50% relative humidity. These times may be longer or shorter at higher temperatures and/or relative humidities. All technical data, measurements and information in this data sheet are based on laboratory tests. Actual measured data may deviate in practice.

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