



EURODUR BT 60

2-component PU levelling coating for balconies

Product description **EURODUR BT 60** is a solvent-free, pigmented, highly UV resistant, resilient, 2-component, liquid polyurethane resin-based levelling coating with a glossy surface finish.

Area of application

- for indoor and outdoor use
- as a coating for balconies and access balconies

Product characteristics

- statically crack-bridging
- high UV resistance and colour fastness
- weatherproof

Colours approx. RAL 7032, other colours upon request

Substrate preparation The substrate temperature must be between +10 °C and +35°C and the temperature of the bonding surfaces must be at least 3°C above the prevailing dew point temperature. **EURODUR BT 60** is applied to a primed surface sprinkled with quartz sand. The areas to be coated must be solid, dry with good key and sound, free of loose and friable material and substances that could interfere with adhesion, such as oil, grease, rubber marks, paint residues or similar. The substrate only requires pretreatment by blasting with granular material or shot blasting, high or ultra high pressure washing, milling or surface removal by grinding (including the respective required follow-up treatment) if the primer is heavily soiled or the rework times have been exceeded.

The tear strength of the substrate must be at least 1.5 N/mm² after substrate pretreatment. The area to be coated must be protected from rising damp in several ways.

1. Vapour barrier for ceiling structures exposed to weather above closed, heated and unheated spaces (e.g. basement spaces with terraced porch, courtyard cellar ceilings).



2. A barrier consisting of at least two coats of primer or primer filler must be applied to screed layers previously exposed to the weather which have been installed on waterproofing layers against seepage water to minimize the risk of osmotic blistering in the cover layer due to because of accumulation of latent water immediately above the waterproofing layers.

Handling

EURODUR BT 60 is supplied with the correct ratio of components A and B. To avoid settling, we recommend stirring component A separately before mixing. Add all of component B to component A. Thoroughly mix both components with a slow-running stirrer at approx. 300 rpm. Make sure the contents at the bottom and sides of the mixing container are included. The mixing procedure must continue until a homogeneous, streak-free state is achieved, but must not be less than 3 minutes. Do not work directly from the delivery container. After thorough mixing, pour the mixture into a second, clean container and mix again for approx. 1 minute. The temperature of both components must be between 15°C and 25°C during the mixing process.

EURODUR BT 60 is applied to the prepared and primed substrate with a smooth or toothed squeegee. Approx. 1.5% fibre suspending agent must be added to the mixture for application on vertical surfaces (upstands and front faces).

In addition to the ambient temperature, the substrate temperature is of vital importance in the processing of reaction resins.

At low temperatures, the chemical reactions basically slow down; this also extends the processing, re-coating and walk-on times. At the same time, consumption per unit of area may increase due to increased viscosity.

At high temperatures, the chemical reactions accelerate, so the times referred to above become shorter.

For complete curing of **EURODUR BT 60**, the average temperature of the substrate must not be lower than the lowest processing or object temperature. In addition, the material must be protected from direct exposure to water for approximately 12 hours

(at 23°C) after application. Within this period, the impact of water on the surface may lead to foaming of the coating.



Cleaning	Fresh material can be removed from the tools with EUROLASTIC Cleaner G. Mechanical cleaning will be required if the material has fully cured.
Consumption	approx. 2.5 kg/m ²
Packaging	EURODUR BT 60 is delivered in 1 kg, 10 kg and 30 kg containers.
Storage and shelf life	Store in a cool, dry place (+10°C to +25 °C). Under these conditions, the shelf life of unopened and undamaged original containers is 12 months.
GISCODE	Germany: Hazardous material information system of building industry employer's liability insurance associations: GISCODE PU 40
Tests/ Approvals/Standards	- EU regulation 2004/42 (Deco Paint Directive) The product complies with EU Directive 2004/42/EG and contains less than the maximum VOC limit (status 2, 2010). According to EU Directive 2004/42, this upper limit for products in category IIA/j type sb is 500 g/l (limit: status 2, 2010). The VOC content of EURODUR BT 60 is < 500 g/l (workable material).
Special instructions/protective measures	EURODUR BT 60 may only be processed 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 corresponding safety data sheet must be strictly observed.



Technical data		
Technical properties	Unit	Value
Material basis		Polyurethane
Density at 20 °C	g/m ³	approx. 1.5
Mixing ratio	Parts by weight	100: 22
Viscosity at 23 °C	mPa s	7,000 - 9,000
Processing time at 23°C/50% relative humidity	min	60
Reworkable/walk-on-able at 23 °C	h da	at least 18 max. 2
Fully cured at 23°C/50% relative humidity	day	7
Object and processing temperatures	°C	at least 10 max. 35
Max. permissible relative humidity	%	80
After curing*		
Shore D hardness	after 28 days	approx. 40
Crack bridging (with 3 mm layer thickness)	mm	0.2

*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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