

OV 40

Polymer-cement screed



Polymer-cement adhesive screed for repairing and sloping of floors, for layers of 5-50 mm.

DECLARATION: EN 13813 Polymer-modified CT-C40-F7-B1,5
Polymer-modified cement screed material (CT) according to EN 13813, intended for the laying of floor covering.

APPLICATION:

This product is intended for the manual preparation of combined (connected) screeds and their repairing for internal and mainly for external environments for sloping areas (balconies).

This product is suitable mainly on surfaces where requirements for considerable layer differences exist.

This product should be applied on solid, dry, and clean bases, treated with the PE 202 penetration coating.

The admissible thickness of applied layer is 5-50 mm.

Frost-resistant, resistant to chemical defrosting agents.

COMPOSITION:

Aggregates, cement, redispersible polymer, and other additives improving processing and end-use properties of the product.

TECHNICAL PARAMETERS:

MANDATORY			
Compression strength (class C40)	min. 40.0 MPa	Reaction to fire	Class A1 _{fl}
Tensile bending strength (class F7)	min. 7.0 MPa	Volume weight of hardened mortar	2050-2250 kg/m ³
Binding force (class B1.5)	min. 1.5 MPa	Coefficient of heat conductivity λ	min. 1.42 W/m.K *)
Release of dangerous substances	CT		
*) tabular value			

INFORMATIVE		
Grain size		0-2 mm
Amount of mixing water:	per 1 kg of dry mixture	0.09-0.12 l/kg
	per 1 bag (25 kg)	2.2-3 l
Spreading rate		approx. 1950 kg/m ³
Pot life		min. 1 hours
Recommended thickness of the sloping layer:		5-50 mm
Usage:	unit – at layer of 10 mm	approx. 19.5 kg/m ²
	at the recommended thickness	approx. 10-98 kg/m ²
Spreading rate from one bag (25 kg) – screed area at an average layer of 30 mm		approx. 0.4 m ²
Surfaces loaded by walking people (final walking surface) – waiting time		after 3 days
Chloride content		max. 0.05 %
Durability – number of cycles (frost resistance according to ČSN 72 2452)		min. 50
Resistance to salts (50 cycles) – waste		max. 50 g/m ²

NOTE: The technical parameters are determined under standard conditions (20 ± 2)°C and (65 ± 5)% of relative air humidity.

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6221912/0800
Company ID number 25238078
Tax ID number CZ25238078

The company is registered in the Companies Register, administered by the Regional Court in Plzeň, Section C, File 22719

BASE PREPARATION:

The base must be load-bearing, free of dust, grease and loose particles, and should not be frozen or water resistant. Depending on the suction capacity of bases, the required number of coatings should be applied on common concrete bases using **PE 202** penetration. Problematic and very smooth and non-absorbent bases (mechanically polished concrete, old tiles, etc.) should first be roughened (by blasting, etc.) or provided with the **CP 203** contact coating. When repairing surfaces with potholes, cut the edges of the repaired site to a depth of at least 5 mm. One day before applying the mixture, treat the base with **PE 202**. To avoid the creation of cracks, expansion joints are placed depending on the size and shape of surfaces. It is necessary to respect work or construction joints, and perform peripheral extensions of vertical structural elements (walls, pillars, pipes, etc.).

PROCESSING:

Prepare the screed by mixing the dry mixture with a prescribed amount of water in a drum or continuous mixer, or using a propeller mixer. The water and dry mixture ratio is selected in the recommended range according to the required consistency. The mixed homogeneous mass should be contacted with the base first, using a steel trowel edge, or brush. Then, spread the mass on a contact base, level the surface using a lath, and smooth it with a plastic or steel trowel. Fresh surfaces should be protected from rapid drying and rain water. Keep the screed in a wet state for 2-3 days.

CAUTION:

- The general rules specified in ČSN 74 4505 Floors - Common Regulations should be followed when designing, applying, and treating screeds.
- The mixture can be mixed only with drinking water, or water conforming to standard EN 1008.
- It is inadmissible to add additional binders, aggregates, and other inadvisable additives. Sifting of the mixture is inadmissible too.
- The mixture can be processed only under the air and base temperature over +5°C! The work cannot be done if frost is expected.
- Unused residues should be mixed with water and allow them to harden – they can be disposed of as construction wastes; contaminated containers should be disposed of as hazardous wastes (see the Safety Data Sheet).
- Only completely emptied and clean packaging may be handed over to recycling.

FIRST AID, SAFETY AND HYGIENE REGULATIONS:

See the product Safety Data Sheet.

STORAGE:

The product should be stored in original containers – protected from damage, action of water, and high relative air humidity. If the storage conditions are met, the shelf life will be 12 months. The expiration date is specified on the packaging.

SHIPPING:

The dry mixture is supplied in 25 kg paper bags placed on pallets wrapped in foils.

QUALITY:

- The product quality is regularly checked in the manufacturer's laboratories.
- The production control system is used in manufacture, and a certified quality management system, according to ISO 9001, is applied.
- Continuous surveillance and proving the conformity of products (if necessary) is ensured by TZUS Prague, OS 1020.
- The use of this product in external environments is specified on the basis of certification, and the issued Construction Technical Certificate.

DISTRIBUTOR:

LASSELSBERGER, s.r.o., Adelova 2549/1, 320 00 Pilsen – Jižní Předměstí

VALIDITY:

Since 1 March 2017

We reserve the right to make any changes that are the result of technical progress. This issue cancels and supersedes all previous issues.

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