

Rascorol pro

High quality, all area one-component, bituminous repair and sealing compound

For the protection and regeneration of bituminous and mineral roof surfaces.

As a putty and repair compound for roofing applications and connections.

For the protection and regeneration of fiber cement roof.

Protects underground structures according to DIN EN 15814 DIN 18533 part 3 permanently against W1 E (ground damp and pressure-free water) and W4-E (splash water and ground damp at wall base).



PRODUCT FEATURES

- Solvent-free and environmentally friendly
- Ready to use
- Extremely crack-bridging and flexible
- Highly polymerized
- Applicable with a pump/spray, roll or brush
- Easy processing
- Good stability
- Seamless hard-drying
- Adheres to bituminous and mineral substrates as well as to wood, plastic, metal and insulation surfaces
- UV-resistant
- Impervious to radon
- Good resistance to high and low temperatures
- Frost-free at least 12 months shelf-life

TECHNICAL DATA

Density	approx. 1.20 kg/l
Material shrinkage	38 %
Complete hardening / full loading capacity*	24 hours
Rain resistance after*	8 hours
Consumption**	1.5-2.0 kg/m ²
Elongation at break	> 700%
Dimensional stability	up to 180 °C
Working and drying temperature***	+5°C to +30°C

* These times may vary greatly, depending on humidity, temperature, coating thickness and substrate. Times are based on the standard climate of + 23 °C and 50 % relative humidity.

** The consumption rates shown are minimum values with respect to application as roof putty or repair compound. These may increase according to the manner of application.

Temperature: component, installation and ambient temperature.

DELIVERY UNITS

1,000 kg Container

30 kg bucket | 18 buckets / pallet | pallet weight approx. 580 kg

10 kg bucket | 44 buckets / pallet | pallet weight approx. 480 kg

5 kg bucket | 60 buckets / pallet | pallet weight approx. 350 kg

WATER INFLUENCE CLASSES

	MDLT*	WLT*	Consumption
W1-E (ground damp and pressure-free water)	3 mm	4.83 mm	5.80 kg/m ²
W4-E (splash water and ground damp at wall base)	3 mm	4.83 mm	5.80 kg/m ²
Scratch coating			1-2 kg/m ²

The consumption rates shown are minimum values. A separate professional levelling of the substrate, for example by a scratch coating is expected. According to DIN 18533 part 3, a layer thickness addition of at least 25% of the minimum dry layer thickness is to be added. *MDLT = Minimum dry layer thickness, WLT = Wet layer thickness

CE-MARKING

 0432	 Rasco Bitumentchnik GmbH Otto-von-Guericke-Ring 11 - 65205 Wiesbaden www.bitumentchnik.de
18 CPR-DE1/90507141 EN 15814:2011+A2:2014 Rascorol pro <i>Polymer modified bitumen thick coating for waterproofing</i>	
Watertightness	Class W2A
Crack bridging ability	Class CB2
Water resistance	no coloration of the water, no debonding from inlay
Flexibility at low temperature	no cracks
Dimensional stability at high temperature	no sliding or draining down
Reaction to fire	Class E
Resistance to compression	Class C2A
Dangerous substances	NPD
Durability of water tightness and reaction to fire	passed

GENERAL NOTES

In case of sealing or maintenance work the relevant standards and guidelines must be followed.

SUBSTRATE PREPARATION

- The substrate must be sufficiently dry, level, stable, frost-protected, clean and without traces of oil, grease, tar, honeycombing, cracks, dust, dirt, residue mortar or other potential contaminants.
- Larger cracks or flaws shall be filled e.g. with **Rasco Bitumen Trowelling Compound**.
- Incorrect overlap impacts in weldable sheets shall be stacked together e.g. with **Rasco Bitumen Trowelling Compound**.
- Check the compatibility of roofs made of plastic films and carry out adhesion tests.
- Mineral surfaces have to be prepared with **Rasco Bitumen Primer** (approx. 0.1-0.2 l/m²).
- When using in the waterproofing of underground structures, Open butt joint up to 5 mm should be closed by means of scratch coating using **Rascorol pro**.
- Open butt joints or pits > 5 mm must be filled using a suitable mortar.

APPLICATION

Rascorol pro is ready to use and can be applied directly out of the bucket using a brush, roller, trowel or suitable spraying equipment.

Regeneration of bituminous and fiber cement roof surfaces:

- Apply Rascorol pro on the cleaned and prepared surface using a brush, roller or suitable spraying equipment.
- Install Rascorol Fleece 120 suitable in particularly stressed areas (for example, transitions, joints). For this a sufficient quantity of Rascorol pro shall be submitted sheet wise and applied with the roll evenly. Fold Rascorol Fleece 120 into the fresh first layer. To protect against moisture Rascorol Fleece 120 shall be reworked thinly and pat down with Rascorol pro. Overlap of the sheets shall be at least 5 cm.
- After drying of the first layer, apply the final coating. It must be ensured that Rascorol Fleece 120 is completely embedded in Rascorol pro so that a smooth, homogeneously closed surface is achieved.

Protection and sealing of underground structures:

- Rascorol pro is ready to use and is applied evenly in at least two coats after the Rasco Bitumen Primer has dried on the prepared substrate.
- Application to the required layer thickness is carried out using either suitable airless spraying equipment, a smoothing trowel or a normal trowel.
- The second coat may be applied as soon as the first coat is dry enough so that it cannot be damaged.
- Tools and equipment should be cleaned using water immediately after use.

SPECIAL NOTES FOR SEALING OF UNDERGROUND STRUCTURES

- The required minimum dry coat thickness must be maintained across the entire working area.
- The required wet coat thickness must not be exceeded by more than 100 % in any one place.
- During work breaks the polymer-modified bitumen coating has to be 'scraped down to nothing' and must not end on/in a corner of the building.
- The waterproof coating is to be protected in accordance with DIN 18533 part 1.
- Verification of the layer thickness is carried out by measuring the wet layer thickness in accordance with DIN 18195 supplement 2. It has to be carried out according to DIN 18533 part 3 in at least 10 places per project and one per 100 m².
- To test the drying and adhesion of the PMBC applied, the PMBC has to be passed through the 15 cm connection area. In these areas, the drying and adhesion must be tested in a destructive manner. The result of this check must be documented.
- Please note the Safety Data Sheet (accessible at <http://www.rasco-bitumen.com/>)
- Please note the Declaration of Performance (accessible at <http://www.rasco-bitumen.com/>)

Note: The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the Rasco product installation. For the most up-to-date TDS and warranty information, please visit our website at www.rasco-bitumen.com. Any alterations to the wording or requirements contained in or derived from this TDS shall void all related Rasco warranties.

Issue 02: Update of the TDS with respect to product name and the name of the relevant fleece. When this version is updated it will lose its validity.