

## FLOOR SEAL BV 20



- > single component
- > simple processing
- > good chemical resistance
- > good coverage
- > satin finish



### Product description

Ready-to-use, water-dilutable, satin finish, lightfast, resistant to yellowing and weather-proof seal based on pure acrylate. Resistant to the effect of fuels, mineral oil, diluted acids, and lyes as well as numerous chemicals (see resistance list).

Indoors and outdoors for areas which can be walked on with slight mechanical load. For sealing mineral substrates such as concrete floors and screeds in cellars and utility rooms, workshops, laundry rooms, wet rooms, collection trays for heating oil, as well as for sealing balconies, terraces, concrete staircases, etc.

#### Delivery format:

Container	Outer packaging	Pallet
1 KG / BDO	10	350
6 KG / KE		85
12 KG / KE		36

#### Storage:

Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for: 365 days

### Processing

#### Recommended tools:

Suitable mixing tool, brush, roller, paint grid, airless sprayer.  
The tool can be cleaned with water after use.

#### Mixing:

The material is ready for painting and can be processed immediately after thorough mixing.

#### Processing:

Apply first coat using a suitable tool (if necessary dilute with approx. 15% water). The second coat follows after drying (approx. 2 - 4 hours). The seal is fully resilient after drying for one week.  
2 - 3 coats are recommended.

## Technical data

Density	approx. 1.25 l/ kg
Colour	Can be tinted according to RAL colour card, ready-made stock items: approx. gravel grey RAL 7032, approx. stone grey RAL 7030
Viscosity	approx. 13,000 mPas
Consumption	0.15 - 0.25 ml/m <sup>2</sup> per coat
Recoatibility	after approx. 2 - 4 hrs

## Test certificates

### Tested in accordance with (standard, classification ...)

EN 1504-2

## Substrate

### Suitable substrates:

Requirements for mineral substrates:

the substrate must be dry, stable, and free of separating, intrinsic, and dissimilar substances, pursuant to the IBF Guideline "Industrial floors made of reactive resin". Residual moisture max. 4 % by weight, measured with the CM device. Substrate temperature greater than 12 °C and 3 K above dew point; adhesive tensile strength on average 1.5 N/mm<sup>2</sup>; adhesive tensile strength smallest single value 1.1 N/mm<sup>2</sup>

### Suitable substrate pre-treatment:

The substrate must be pre-treated with a suitable mechanical process.

## Product and processing instructions

### Material instructions:

- The material properties may change significantly when working outside the ideal temperature and/or humidity range.
- Bring materials up to temperature accordingly before processing!
- To retain the product properties, no foreign materials may be mixed in!
- Water dosing amounts or dilution specifications must be precisely kept!
- Check coloured products before use for colour consistency!
- Colour evenness can only be guaranteed within a batch.
- Environmental conditions significantly influence colouring.
- Carefully open the container and stir the product well!
- A scale must be used for mixing partial amounts!
- Process reaction resins as quickly as possible after mixing.
- Water-based systems can only be kept for a limited period after dilution with water; which is why we always recommend processing as quickly as possible.
- In water-based systems, the amount of water specified by the manufacturer may only be added after components A and B have been mixed.
- Always allow primers to dry well/cure.
- Odour formation of solvent-based systems must be observed.
- Applied reaction resins can be walked on after 1 day at a constant temperature of + 20°C, after 3 days mechanically, and after 7 days are chemically resistant.
- UV exposure and exposure to certain chemicals can cause discolouration or yellowing on the surface, but this does not impair the functionality or suitability for use of the coating.
- The colour designations listed (RAL, NCS,...) are to be understood as colour descriptions without guaranteed matching of the original colour chart.
- If different products (on the same object) are used, absolute colour matching cannot be guaranteed even if the colour designation is the same.
- Observe the colour change when adding quartz sand, thixotropic agent, setting agent, or similar!
- Residual quantities which are not needed and which have already been mixed must be mixed with quartz sand (smoke generation).

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## Coating Technology

### Environmental information:

- Do not process at temperatures below + 5°C!
- The ideal temperature range for material, substrate, and air is +15°C to +25°C.
- The ideal relative air humidity range is between 40% to 60%.
- Increased humidity and/or lower temperatures delay and lower air humidity and/or higher temperatures accelerate drying, setting and hardening.
- Ensure sufficient ventilation during the drying, reaction, and hardening phase; avoid draughts!
- Protect from direct sunlight, wind, and weather!
- Protect adjacent components!
- The substrate temperature must be at least 3 K above the dew point (the prevailing relative humidity and the air temperature can be used to determine the respective dew point temperature by means of a dew point table).
- During the reaction phase protect against impurities (dust, insects, leaves, etc.).
- If the time window of 48 hours between the individual work steps is exceeded an intermediate sanding must be carried out!
- In areas with UV loads, we recommend systems resistant to yellowing.
- Adhesive tensile strength: average:  $\geq 1.5$  MPa; smallest single value: 1.1 MPa
- Maximum residual moisture (CM measurement): 4 p.b.w.; for permeable systems: 6 p.b.w.
- The substrate must be pretreated with suitable mechanical processes.

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Observe the product data sheets of all MUREXIN products used in the system.
- Keep a genuine original container of the respective batch for later repair work.
- To avoid projections and visible transitions of several working paths, these must be processed offset for longer lengths!
- Abrasive, scratching mechanical loads lead to wear marks.
- Contact with car tyres or other softening plastic can lead to discolouration, impressions or softening of the surface.
- For defined superstructures see the "Service" section on [www.murexin.com](http://www.murexin.com) with regard to anti-slip classes, fire classes, and decorative surface design.
- To reduce residual quantities that have already been mixed and are no longer required, we recommend they be mixed with quartz sand in good time!

The information provided reflects average values obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

## Safety instructions

Please refer to the safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions, and disposal.

### Limiting and monitoring exposure

#### Personal protective equipment:

#### General protection and hygiene measures:

- Keep away from foodstuffs, beverages, and feedstuffs.
- Take dirty, soaked clothing off immediately.
- Wash your hands before breaks and after finishing work. Breathing protection: not required with good room ventilation.

#### Hand protection: protective gloves.

#### Glove material

- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer. As the product is a preparation made up of many materials, the resistance of glove materials cannot be predicted in advance and must, therefore, be checked before use.

#### Penetration time of the glove material

- The precise penetration time must be ascertained from the glove manufacturer and observed.

#### Eye protection: protective goggles recommended during decanting.

#### Body protection: protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction! Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.

The most recent data sheets, safety data sheets, and the terms and conditions are available online at [www.murexin.com](http://www.murexin.com).