

### SEALING SLURRY DS 28



- > suitable for drinking water tanks
- > seals pores and capillaries
- > resistant to transformer oil
- > resistant to negative water pressure
- > suitable for slurry pits and sewers



#### Product description

The water-impermeable, polymer-modified Sealing Slurry DS 28, which penetrates mineral substrates, provides a protective layer for buildings against moisture and is suitable for both manual and machine processing. Sealing Slurry DS 28 contributes to the sulphate resistance of concrete structures. It is used indoors and outdoors for horizontal and vertical sealing against moisture in foundations, base slabs, retaining walls, gallery and tunnel constructions, and cisterns, as well as for sealing service and drinking water tanks. The sealing slurry is resistant to transformer oil and is also suitable for protecting surfaces in neutralization basins for waste water, technical water basins, sewers, sewage treatment plants and for sealing oil separators. The product is resistant to positive and negative pressure in accordance with WTA 4-6 and is classified in class W2.1-E (moderately pressurized water) with a hardened layer thickness of 3 mm. Filled with fire-dried quartz sand for stability, the compound is suitable as a slump mortar and for the formation of coving.

Special crystalline additives achieve a multiple effect:

- The compound penetrates mineral substrates via capillary action, forming insoluble crystals and thus sealing pores and capillaries against penetrating water and other liquids, thereby reducing the entry of substances that damage the concrete
- the barrier effect forms a solid, waterproof insulating layer on the surface of the mineral substrate
- heals cracks in surfaces (cracks up to 0.4 mm)
- increases the durability of concrete components
- minimizes the maintenance and repair costs of the concrete

#### Delivery format

Container	Outer packaging	Pallet
25 KG / PS	-	42 PS
6 KG / KTN	-	84 KTN

#### Storage

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

## Processing

### Recommended tools

Slow-running agitator, smoothing trowel, paint brush, brush, Airless

### Mixing

The DS 28 is mixed homogeneously and lump-free in a clean mixing bucket using a slow-running electric mixer (mixing time approx. 3 minutes). After a maturation time of 5 minutes, the mixture is stirred well once more. No more water should be added to the complete mixture, which is already in the setting phase, e.g. to increase the malleability. We recommend mixing as much mixture as can be processed in approx. 45 minutes.

### Processing

#### Coving:

To form coving, the Sealing Slurry DS 28 is filled with fire-dried quartz sand for stability.

Alternatively, coving can also be implemented with Murexin Fixing Mortar VS 20.

#### Brick masonry:

The brick masonry is pre-wetted the day before until capillary saturation or primed with Sealing Primer AG 3, mixed with water in a ratio of 1:1. When used as negative waterproofing, the sealing slurry, which has been mixed to be patch-applicable, is applied to the substrate with a paintbrush and brush, covering the entire surface. Following sufficient surface strength of the patches having been achieved, a layer of Sealing Slurry DS 28 is applied with a smoothing trowel. Once the surface has hardened, a further layer is applied using a smoothing trowel.

#### Concrete:

The concrete is pre-wetted the day before until capillary saturation, or primed with Sealing Primer AG 3, mixed with water at a ratio of 1:1. When used as a negative seal, the sealing slurry, which has been mixed to be patch-applicable, is applied to the substrate with a paintbrush and brush, covering the entire surface.

Following sufficient surface strength of the patches having been achieved, a layer of Sealing Slurry DS 28 is applied with a smoothing trowel. A reinforcing coating is embedded in the fresh sealing slurry and completely covered with the compound.

Once the layer with the reinforcing coating is ready for recoating (after approx. 3-5 hours), a second layer must be applied and smoothed.

#### Walking or driving surface:

If the surface is to be walked or driven on, the applied product must also be mechanically protected (concrete layer, various coatings, ceramics, etc.). Surface coatings may only be applied after the sealing slurry has hardened sufficiently, but after 3 days at the earliest. Tools should be washed off with clean water immediately after use.

When using the product as a sealing system for wells and drinking water tanks, a waiting period is required (at least 3 days) until the sealing slurry is completely dry. Before containers are filled with water, the surface must be rinsed to completely wash off the water-soluble by-product of cement hydration, calcium hydroxide. After washing, the container must be carefully cleaned again.

## Technical data

Density	Fresh mortar approx. 1.27 kg/l
Bulk density	approx. 1.27 kg/l
Fresh mortar thickness	1.94 kg/l
Grain size	Dmax 0.4 mm
pH value	11.5
Colour	cement grey
Consumption	approx. 1.8 kg/m <sup>2</sup> /mm
Water consumption	spreadable consistency: 0.28 litres /kg spatula consistency: 0.25 litres/kg
Layer thickness	Minimum 2 mm, maximum 5 mm
Processing time	approx. 45 min.

## Test certificates

**Tested in accordance with (standard, classification ...)**  
EN 1504-2

## Substrate

### Suitable substrates

Concrete with a dense structure, at least quality grade C12/15, which is strong, without cavities, and without cracks or layers of low load-bearing capacity.

Brick and concrete block walls made of cement or lime-cement mortar with a layer of cement or lime-cement plaster at least 10 mm thick (when sealing a brick wall below the top edge of the ground, the sealing compound must always be applied to the side of the wall from which the water drains off). The substrate is load-bearing and free of separating, intrinsic or foreign substances, ridges or sharp-edged unevenness, as well as soil. Defects such as cavities, masonry joints, mortar pockets and gravel pockets with depths of up to 5 mm can be levelled out by means of a scratch filler. Deeper defects should be levelled out with a suitable re-profiling mortar. The substrate may be moist but not wet. If necessary, it is recommended that the substrate be prepared with appropriate primers. The inspection should be carried out in accordance with the applicable national and European standards, construction guidelines and recognized general construction practice.

## Product and processing instructions

### Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.

### Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.

## Sealing Technology

- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

### Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were 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 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 off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Avoid contact with the eyes and skin.

Breathing protection:

- Breathing protection is recommended.
- Filter P2.

Hand protection:

- Protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.

Glove material

- Use gloves made from stable materials (e.g. nitrile).
- 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.

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: tightly sealed protective goggles.

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).