

# Technical Datasheet

Item Code: RASO000X | Rev.: 11-11-2024 | Ver: 3.4

## RASOCHIM AL

**Fast drying cementitious self-levelling for interior works and public floorings up to 10 mm thicknesses**



### Description

RASOCHIM AL is a grey powder for internal use consisting of special cements with rapid hydration, with graded silica sand, resins and special additives. RASOCHIM AL can be used only indoor. RASOCHIM AL mixed with water becomes smooth, fluid and easy to apply with high bonding strength and fast-drying. It can be laid down up to 10 mm thicknesses onto cement subfloor, concrete, tiles, marble etc. RASOCHIM AL after drying has high compressive and flexural strength, no shrinkage, cracking or crazing. RASOCHIM AL is resistant to caster base chair. In accordance with European EN13813 it is classified CT-C25-F6-A22-B1,0. Also suitable for heated subfloors. CERTIFICATE: EC1Plus. RASOCHIM AL can contribute to the achievement of Q1 CREDIT 4.1 according to the GEV parameters of 03 March 2009 because it complies with the requirements of the LEED certification protocol (Leadership in Energy and Environmental Design).

### Characteristics

|                           |   |
|---------------------------|---|
| Mixture ratio             | single-component                                    |
| Application               | smooth trowel / scrubbing brush / long metal trowel |
| Application temperature   | +10°C ÷ +25°C                                       |
| Appearance                | dust  |
| Colour                    | grey  |
| Dry residue               | 100%  |
| Mixing ratio              | 1 bag of 25 kg with 6,0 L of water                  |
| Mixture duration          | 25' <sup>(1)</sup>                                  |
| Initial setting time      | 20'-30' <sup>(1)</sup>                              |
| Hardening                 | 24 h for 2 mm thickness <sup>(1)</sup>              |
| Thickness of each coat    | 1-10 mm   |
| Coverage                  | 1,5 kg/m <sup>2</sup> for 1 mm thickness            |
| Walking on time           | 2-3 h <sup>(2)</sup>                                |
| Duration before gluing    | 24 h for 2 mm thickness <sup>(2)</sup>              |
| Resistance to compression | 28 days: 25 N/mm <sup>2</sup>                       |
| Flexural strength         | 28 days: 6 N/mm <sup>2</sup>                        |
| Storage stability         | 6 months <sup>(3)</sup>                             |
| Packaging                 | 25 kg   |
| Tool cleaning             | water (before the hardening of the mixture)         |
| GISCODE                   | ZP1   |

- 1 at 20°C and 65% R.H.
- 2 depends on the suitable conditions of the yard: temperature, ventilation, absorption of the subfloor
- 3 in original sealed containers at temperatures between +10°C and +25°C

### Laying conditions

#### Type of subfloor

Cement tiles, old ceramic floors, marbles, natural stones, smoothed cement.

Substrate in accordance with DIN 18365.

#### Subfloor's condition

It is essential to make sure that there is not a rising damp from the substrate. The substrate has to be solid, dry, free of dust, loose parts, rust. Clean the subfloor to be treated by eliminating totally any trace of oil, grease, waxes and paint.

Weak subfloors must be treated with PRYMER W 30K (see technical data sheet).

Dusty or porous subfloors must be treated with PRYMER W (see technical data sheet) or CHIMIGRIP diluted with 50% of water (see technical data sheet).

Not-absorbent surfaces: clean with DILUENTE ACETONE or suitable detergent or dewaxer than apply one coat of CHIMIGRIP (see technical data sheet).

Cement subfloors with high residual humidity must be primed with PRYMER SF 1105 or PRYMER PUB 77 (see technical data sheets) than sprinkle Quarz on the surface.

Not-absorbent subfloors with high residual humidity must be treated with PRYMER EPOX WETT (see technical data sheet) than sprinkle Quarz on the surface.

Anhydrite subfloors must be treated with PRYMER W (see technical data sheet) before the application of RASOCHIM AL.

### How to use

#### Mixture preparation

Mix a 25 kg bag of RASOCHIM AL as follows: pour the required amount of water indicated in the "Mixing ratio" in a clean container and add the powder gradually, mixing with a mechanical mixer at low speed, until a fluid homogeneous and lump-free mortar is obtained. Stir again briefly for 2-3 minutes: the mixture is then ready. The quantity of RASOCHIM AL mixed every time must be the one necessary to be used in about 25 min (temp. +20°C). Check the humidity content with a carbide hygrometer.

#### Application of the mixture

Pour the mixture on the surface properly prepared: apply a strong pressing with the smooth trowel/long metal trowel to improve the adhesion on the surface and to assess the thickness. Imperfections made by the trowel will be eliminated automatically due to the self-levelling properties of the product. When a second coat is needed wait after the complete drying and when the product is walkable (about 2-3 hours at 20°C).

#### Materials that can be glued onto floors levelled up with RASOCHIM AL

Ceramics, natural stones, recomposed materials, wood (wood must be levelled with at least 4 mm thickness of product), textiles, rubber, PVC, linoleum (for a minimum thickness of 2-3 mm).

Allocations: for interior works and public floorings.

These information are given from the best of our knowledge and technical experience. They are of general character and not binding in any way our company. Every single case should be put to a practical test by the user who assumes the full responsibility of the final result of his work.

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### Warnings

- \* **Contraindications:**
- \* *do not add to the mixture: quicklime, cement, or plaster.*
- \* *Do not add more water to the mixture which has begun to work.*
- \* *Do not use for external works.*
- \* *Do not use with floors subject to constant transpiration of humidity.*
- \* *Do not use on floors subject to strong movements.*
- \* *Do not use RASOCHIM AL with temperatures below +10°C or superior to +25°C.*
- \* *Do not use on wet or frozen supports.*

### Label elements



For more information about the safe use of the product it is recommended to consult the latest version of the Safety Data Sheet.

### Web link

Be sure to have the latest version of this technical data sheet downloadable also from the following link:



[http://www.chimiver.com/tds/EN\\_RASOCHIM\\_AL.pdf](http://www.chimiver.com/tds/EN_RASOCHIM_AL.pdf)

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