

# Raxol HR4

## Self-levelling screed

### Product Description :

It is a high level fluid, cement-based, red-colored, high resistant, self-diffusing ground leveling screed that is prepared by reinforcement with environment friendly additives and polymers and that can be used easily upon freezing in a short time formulated for thicknesses ranging from 3 to 15 mm only for indoors application and suitable for use on particularly industrial grounds.

### Areas of application :

- Indoors
- Suitable for normal abrasive traffic in commercial areas
- In airports and railway stations
- In industrial kitchen floors
- Suitable for all kinds of toppings (parquet, epoxy paint, carpets, vinyl, etc)
- For levelling the upper surface of the concrete on the floor as a thin layer.

### Features :

- Applicable manually or mechanically
- Liquid and pumpable
- Polymer-reinforced
- Suitable for the grounds where rubber-wheeled forklifts are in traffic
- High self-levelling and settling quality
- Suitable for floor heating
- Easily settles in hardly approachable gaps and edges
- Flexible
- Freezes without cracks
- Hydraulic bonding quality
- Can be used to prepare the surface by covering it with a thin layer prior to application of tiles, ceramics, natural stones, granite, marbles, PVC, parquet, carpets, etc.
- Fireproof

### Technical data :

|   |               |
|---|---------------|
| Colour                                    | Red           |
| Applicable thickness                      | 3 – 15        |
| Waiting time in container (min)           | ~15           |
| Drying time (h)                           | 4 – 48        |
| Pressure strength (28 days) (MPa)         | ≥ 39          |
| Mixing water amount (for 25kg dry mortar) | ~6,0 lt       |
| Environment temperature for application   | +5°C - +35°C  |
| Strength of hardening coating             | -25°C - +80°C |

Technical data are approximately provided according to a temperature of + 20°C and a relative humidity of 50%.

### Preparing the substrate :

- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to bear their own weight e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- The surfaces that need repairing should be filled with special repair and filling mortars and levelled 3-4 days before the application of adhesives.
- Mineral-based subfloors which have normal and regular absorption should be primed with Bostik PoroPrim and bright, non-absorbent or previously applied smooth surfaces should be primed with Bostik MarmoPrim at least 24 hours before.
- Highly liquid levelling mortar should be avoided from exfiltration by using corner tapes (cuffs) in the door and window thresholds and wall and floor joints. In case of using surface additives, plaster bearer or plaster-framed concretes, the manufacturer's advice should be followed.

**Application :**

- Powder Roxol HR4 Self-Levelling Screed is poured into a container filled with clean water in normal environment temperature as specified and slowly mixed with a low-speed mixer until obtaining a lump-free mixture. The mixing time should be minimum 5 minutes. The obtained mixture should be rested for 3 minutes and then mixed again for 2 minutes until it becomes homogenous.
- The consistency and freezing time of the product vary according to the amount of the water to be added.
- The mixture is ready for application after a maturing time of 3 minutes.
- No water should be added in order to dilute the self-levelling screed which has been poured onto the floor and applied.
- The screed is smoothed / pumped in a regular manner to the desired thickness by measuring with a gauge.
- The spread screed is checked in order to fill the pores with an appropriate tool (spiked) or trowel.
- When pumped mechanically, helical or piston pump machines with appr. 40 lt/min pumping capacity and non-stop mixers should be used.
- During the application, the screed is levelled by itself and quickly; therefore further finishing with a self-smoothing screed is not required.
- 24 hours' waiting time is needed for the last finishing.
- Non-applicable in continuously wet and humid places. Not recommended to use in exteriors, on wooden floors and industrial areas.

**After application :**

In the first days, fresh surfaces should be protected from direct sunlight, severe air stream, high temperatures (over +35°C), adverse air conditions such as rain and frost.

**Coverage :**

App. 1,5 kg/m<sup>2</sup> for each 1mm thickness.

The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

**Packaging :**

25 kg craft bags. 48 bags in 1 palette (1200kg/palette)

**Storage :**

- Dry mortar bags should be protected for water, frost and adverse weather conditions.
- They should be kept dry and cool on wooden pallets.
- The torn and opened products should be closed immediately and consumed first.
- Maximum 8 bags can be stored on each other.
- Shelf life is maximum 6 months conditional to complying with the abovementioned storage conditions.

**Risk Signs :**

**R23/24/25** : Poisonous when inhaled, swallowed and contacted with skin.

**Security signs:**

**S2:** Keep out of reach of children.

**S3:** Keep cool.

**S9:** Keep the package dry.

**S26:** Rinse with water thoroughly when contacted with eyes and consult a doctor.

**S28:** Rinse with water thoroughly when contacted with skin and consult a doctor.

**S29:** Do not throw in the drain.

**S36/37/39:** Wear suitable protective clothing, protective gloves and glasses / mask during the operation.

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