

Self-Leveling Screed (1-20 mm)



Product Overview

CLASS Relax is a cementitious, self-leveling, single-component leveling screed designed for interior applications. It is fortified with powdered resin and modified polymers, allowing for application in various thicknesses.



Application Domains

- Within interior environments
- In locations characterized by moderate to high levels of pedestrian and vehicular traffic, including schools, shopping malls, hospitals, hotels, and retail establishments.
- In domains such as cementitious screed, precast concrete elements, concrete slabs, and similar applications.
- It is utilized to even the surface prior to the final coating.



Technical Specifications

Intensity	1,41 kg/lit (± 0,05)
Colour	Gray
Water Mixing Ratio	4.75-5.75 liters of water for 20 kilograms of powder.
Rest	3-5 Minutes
Usage Duration	30 minutes
Distribution Duration	10 minutes
Compressive Strength	≥15 N/mm ²
Bending Strength	≥3 N/mm ²
Walkable Duration	8 seconds
Time for the Final Application	Ceramic and carpet installation: 10 to 12 hours - Parquet, PVC Coating: 20 to 24 hours
Application Ground Temperature	+5 °C, +30 °C

The information presented in this technical data sheet is derived from experimental results. The responsibility for the proper application of our original product rests with the user. Our company is solely accountable for the product's quality. This data sheet supersedes the information provided in the previous version. Our company reserves the right to amend any information contained within this data sheet.



Advantages

- It is straightforward to prepare and execute.
- It offers user-friendly functionality.
- It exhibits exceptional adhesion performance and wear resistance.
- Its self-leveling capability eradicates subsurface irregularities, resulting in a seamless surface.
- It can be dispensed using a pump.
- It will remain intact.
- It can be activated promptly.
- It is resilient and enduring.



Surface Preparation

The surface designated for coating must have attained its full strength. It should be devoid of dust, oil, paint, dirt, rust, and other contaminants that could hinder adhesion. Surfaces ought to be moistened and maintained in a moist condition. Care must be exercised to prevent water accumulation on the surface following moistening. The surfaces intended for coating should be free from pits, segregations, and similar defects, which should be rectified using CLASS Remiks 5-10 Repair Mortar. The surface should be primed 30 minutes prior to application with CLASS Primer TE or CLASS Primer TP without any thinning. Consideration must be given to expansion joints within the substrate.



Mixture

20 kg of CLASS Relax powder is combined with 4.75 - 5.75 liters of clean water and mixed for 3-4 minutes using a low-speed mixer or drill until the mixture is homogeneous and free of lumps. The prepared mixture is allowed to rest for 3-5 minutes to mature, after which it should be mixed again prior to use. It is advisable to consume the mixture from the container within 30 minutes.

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→ Application Details

The ready-to-use (liquid) CLASS Relax is applied to the surface to be coated and mixed with a notched trowel to achieve the desired thickness. Air bubbles that may hinder adhesion in voids, such as those present in the surface, are eliminated by mixing the mortar on both sides with a spiked roller. For surfaces requiring two coats, the second coat is applied as soon as the first coat has attained its full strength. If the interval between coats exceeds 24 hours, cold joints will develop; in such instances, CLASS Primer TE must be applied between the coats. To prevent cold joints in wide spans, mortar should be prepared in multiple buckets and poured onto the surface sequentially. The final coating application should be conducted in accordance with the type of material being coated. It should not be applied to weak or loose surfaces, outdoor areas, locations consistently exposed to water, industrial environments, or wooden floors. It is not intended for use as a final coating material. In underfloor heating systems, the heating must be turned off at least 24 hours prior to the application of CLASS Relax and reactivated 24 hours after application.

↔ Consumption

1.5-1.8 kg/m² (for 1 mm thickness)

kg PACKAGING

20 kg Kraft Bag

+ Shelf life

In its unopened packaging, it can be stored for 12 months in a cool, dry location, shielded from sunlight, at temperatures ranging from +10°C to +25°C.

! Attention

Avoid applications when the ambient temperature is below +5°C or above +30°C. Do not apply in direct sunlight, rain, or wind. Refrain from applying on surfaces that have been exposed to sunlight for extended periods, are frozen, or are at risk of freezing within 24 hours.

R10: Keep away from children.

R20/22: Harmful if inhaled or ingested.

R52/53: Toxic to aquatic life; may result in long-term detrimental effects in the aquatic ecosystem.

R65: Harmful. May result in lung damage if ingested.

S7: Store in a securely sealed container.

S24/25: Avoid contact with eyes and skin. S28: In the event of skin contact, rinse immediately with ample water.

S29: Do not release into the sewage system.

S46: If ingested, seek medical attention promptly and present the container or label.

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