



MAXLEVEL® DECOR

QUICK-SETTING, CEMENT-BASED SELF-LEVELLING MORTAR FOR LEVELING AND DECORATIVE FINISHING OF INDOOR CONCRETE PAVEMENTS



DESCRIPTION

MAXLEVEL® DECOR is a one-component self-levelling mortar, pigmented, based on polymer-modified cement, special additives and selected aggregates. Once mixed only with water, **MAXLEVEL® DECOR** provides a mortar with an extraordinary fluidity suitable for repair and finishing of indoor concrete decorative pavements in thickness between 4-10 mm.

APPLICATION FIELDS

- Leveling and smoothing layer for small and large indoor surfaces, used as a decorative finish for flooring in high-traffic areas, shops, residential properties, waiting rooms, etc.
- Smoothing surfaces on concrete, terrazzo, tiles and stone in residential buildings, hospitals, hotels, offices, etc.
- Preparation and levelling of indoor concrete pavements that are chipped, cracked or uneven.
- Levelling over floor heating systems.

ADVANTAGES

- Only needs water for mixing.
- High fluidity and levelling properties, no trowelling required.
- Fast hardening: allows pedestrian light traffic in 24 hours.
- Quick application manually or by pumping. Allows large coverage of surfaces per day.
- Controlled shrinkage, cures without cracking.

APPLICATION INSTRUCTIONS

Surface preparation

Surface must be structurally sound, firm, without cement laitance or weak mortars, and as uniform as possible, and preferably with a slight

roughness, i.e. open textured surface. Minimum bond strength of substrate must be above 1 N/mm². For surface cleaning and preparation, preferably in case of smooth and/or poorly absorbent substrates, use sand blasting or high-pressure water cleaning methods, not being desirable aggressive mechanical or chemical means.

It must be clean and free of paints, coatings, efflorescence, loose particles, grease, oils, curing agents, form release agents, dust, gypsum plasters, organic growth or any other contaminants that may affect to adhesion.

All voids, holes, cracks or other defects deeper than 8 mm, must be opened and repaired with **MAXROAD®** (Technical Bulletin No. 27).

Mixing

A 25 kg bag of **MAXLEVEL® DECOR** is mixed with between 4,5 litres (18 % by weight) of clean water, depending on the ambient conditions and the consistency required. Pour the required amount of water in a clean container and then slowly add **MAXLEVEL® DECOR** mixing by a slow speed drill (400-600 rpm) fitted with a disc mixer, for about 1-2 minutes until achieving a smooth, lump-free and homogeneous mortar.

Allow the mixture to rest for 3 minutes to fully wet out all the powder and remix briefly again before application. For applications by pumping means, ensure to keep the same mixing ratio.

Application

Prime surface with **MAXPRIMER® FLOOR** (Technical Bulletin No. 230) for best adhesion and prevent air bubbles on surface. Dilute 1 part of **MAXPRIMER® FLOOR** with 3 parts of water, and then apply a homogeneous and continuous coat by brush, broom or spraying with an estimated consumption of 0,20-0,25 l/m² per coat, without leaving any puddles. On very porous surfaces, two or three successive coats may be required, with a drying time between coats of 10-15 minutes.

Allow **MAXPRIMER® FLOOR** to dry to touch before applying the self-levelling mortar, 3-4 hours at 20°C depending on temperature, relative humidity and ventilation conditions.

If the substrate has a residual moisture content of up to 10 %, apply one coat of **MAXEPOX® PRIMER -W** (Technical Bulletin No. 372) with a consumption of 0,30 kg/m², and, while still wet, sprinkle **DRIZORO® SILICA 0204**, a clean, dry silica aggregate with a particle size of 0,2-0,4 mm, until the surface is completely covered (approximate consumption of 1,0 kg/m²). After 24 hours, sweep or vacuum up any loose aggregate.

Place and spread **MAXLEVEL® DECOR** in a single step with a rubber squeegee or toothed trowel, from 4 to 10 mm thickness. Before **MAXLEVEL® DECOR** begins to set, 30 to 45 minutes at 22°C, use a spiked roller to eliminate possible entrapped air on surface.

Apply in delimited sections in advance that should be finished completely to avoid cold joints in non-desired places. Limits of each section should coincide with contraction or concrete joints of pavement. After 24 hours, sawcut contraction joints on each limit or every 36 m² maximum if there are not present on concrete base. Isolation joints must be provided on the perimeter between ad-joining parts.

Expansion joints must not be covered by **MAXLEVEL® DECOR** and should be sealed with a suitable flexible sealant of **MAXFLEX®** range.

Once cured after 24 hours, the mortar can be coated with two coats of **MAXURETHANE® FINISH** polyurethane as a transparent anti-stain protection.

Application conditions

Do not apply if water contact, condensation, dampness or dew is expected within 24 hours. The optimum working temperature range is 10°C to 30°C. Do not apply with substrate and/or ambient temperature is below 5°C, or when temperatures are expected to fall below 5°C within the first 24 hours. Do not apply to frozen or frost-covered surfaces.

Avoid application under direct sunlight. Do not apply with substrate and/or ambient temperatures higher than 35°C.

With warm weather (>30°C), wind, low relative humidity and/or direct sunlight exposure, prevent a quick drying of the mortar keeping its moisture

for at least 24 hours by using polyethylene sheeting or damp burlaps. Do not use curing agent nor wet the surface.

Curing

Allow a minimum curing time of 24 hours (at 20°C and 50 % R.H.). Higher thickness, lower temperature, higher relative humidity and/or poor ventilation conditions may increase the curing time.

Cleaning

All tools and equipments must be cleaned immediately with water after use. Once product hardens, this can only be removed by mechanical means.

CONSUMPTION

Estimated consumption of **MAXLEVEL® DECOR** is 1,6 kg/m² per mm thickness, applied as a pure coat.

These figures are for guidance only and may vary depending on porosity, texture, substrate conditions and application method. Perform a preliminary test on-site to ascertain the total consumption exactly under jobsite conditions.

IMPORTANT INDICATIONS

- This product is suitable for indoor use only.
- Do not add cements, additives or other non-specified compounds.
- Do not exceed the recommended water ratio.
- Allow new concrete and mortars a curing time of 28 days before application.
- Observe the recommended maximum thickness: 4 to 10 mm.
- Do not apply to water-repellent surfaces, bituminous materials, metal, wood, plaster or paint.
- Do not use leftovers from previous mixes.
- Differences in the ratio of mixing liquid to powder, absorption degree and surface irregularities, as well as application and curing conditions, may result in slight variations in colour intensity.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXLEVEL® DECOR is supplied in 25 kg bags. It is available in light grey, medium grey, dark grey, white, ivory and sand. Other colours available on request.

STORAGE

Twelve months in its unopened original packaging. Store in a cool, dry and covered place, protected from moisture, freezing and direct sunlight, at temperatures above 5°C.

SAFETY AND HEALTH

MAXLEVEL® DECOR is not a toxic product but is an abrasive composition. Avoid direct contact with skin and eyes, and breathing dust. Use rubber gloves and safety goggles during application.

In case of skin contact, wash affected area with soap and water. In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance.

Consult the Material Safety Data Sheet for **MAXLEVEL® DECOR**.

Disposal of the product and its packaging should be carried out according to the current official regulations and it is the responsibility of the final user of the product.

TECHNICAL DATA

Product characteristics	
CE Marking, UNE-EN 13813	
Description: Polymer-modified cement screed material. EN 13813 CT-C30-F4-AR1	
Uses: indoor surfaces exposed to wearing.	
General appearance and colour	Pigmented powder
Mixing water ratio, (% by weight)	18 ± 1,0
Density of powder (g/cm ³)	1,35 ± 0,1
Density of fresh mortar (g/cm ³)	2,10 ± 0,1
Density of dry mortar (g/cm ³)	1,95 ± 0,1
Slump in 5 cm x 3 cm cylinder, (mm)	140
Application and curing conditions	
Minimum application temperature for substrate and ambient, (°C)	> 5
Pot life at 20°C & 50 % R.H., (min)	20-30
Initial / Final setting time at 20°C & 50 % R.H., (min)	30-45 / 60-90
Curing time at 22°C & 50 % H.R., (h)	24
- Pedestrian traffic	
Cured product characteristics	
Compressive strength at 28 days, EN 13892-2 (N/mm ²)	30,1 - C30
Flexural strength at 28 days, EN 13892-2 (N/mm ²)	4,4 - F4
BCA wear resistance, EN 13892-4 (µm)	190 - AR1
Impact resistance and height for first cracks, EN ISO 6272 (N·m – mm)	IR 24,5 - 2500
Adhesion on concrete at 28 days, EN 13892-8 (N/mm ²)	2,5
Release of corrosive substances	CT
Reaction to fire, EN 13501-1 (Euroclass)	Class A1
Thickness / Consumption*	
Minimum / maximum thickness per layer (mm)	4-12
- Applied as pure product	
Consumption (kg/m ² ·mm)	1,6
- Applied as pure product	

* These figures are for guidance only and may vary depending on porosity, texture, substrate conditions and application method. Perform a preliminary test on-site to ascertain the total consumption exactly.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.U.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



DRIZORO, S.A.U.

C/ Primavera 50-52 Parque Industrial Las Monjas
28850 TORREJON DE ARDOZ – MADRID (SPAIN)
Tel. +34 91 676 66 76 - +34 91 677 61 75
e-mail: info@drizoro.com Web site: drizoro.com