



MAXPATCH[®]-M EXTRA-SMOOTH

COSMETIC ONE-COMPONENT MORTAR FOR CONTINUOUS DECORATE FINISH OF CONCRETE FLOOR IN MINIMUM THICKNESS



DESCRIPTION

MAXPATCH[®] -M EXTRA-SMOOTH is a one-component cement-based mortar with selected aggregates and special additives. Once mixed with water, provides a mortar of high mechanical performance (adhesion, abrasion resistance and compression) and suitable for cosmetic/decorative finish of continuous pavements from 1 to 2 mm thickness, on previously levelled surfaces with **MAXPATCH[®] -M** or **MAXPATCH[®] -M SMOOTH**.

APPLICATION FIELDS

- Continuous finish for indoor/external flooring as shopping malls, parks, playgrounds, pools and fountains, etc.
- Aesthetic coloured finish on pavements, continuously and with no joints, in residential buildings, hotels, saunas and spas, etc.
- Repair of concrete steps and stairs, granite kitchens, bars restaurants, etc.

ADVANTAGES

- Restored areas can be opened to pedestrian traffic after 24 hours.
- High mechanical strengths and abrasion resistance.
- High adhesion to concrete and other mortars.
- Suitable to be pigmented in mixing and surface treated with acids and transparent finishes for decorative finish.
- Easy workability and application, continuous and seamless.
- Allows vertical and horizontal application.

APPLICATION INSTRUCTIONS

Surface preparation

Apply on concrete supports previously levelled with **MAXPATCH® -M SMOOTH** or **MAXPATCH® -M** within 24 to 48 hours.

Remove dust, dirt, laitance, traces of paint, grease or other agents that may affect adhesion.

Saturate the surface with water prior to application, avoiding puddles. If it dries, proceed to saturate it with water again.

Mixing

MAXPATCH® -M EXTRAFINO is mixed with approximately 4,75-5,25 litres of water (20 ± 2 % w/w), depending on the temperature conditions and desired consistency. Into a clean container, first pour 4,0 litres of water and then gradually add 25 kg of **MAXPATCH® -M EXTRASMOOTH**, while mixing with a low-speed disc mixer (400-600 rpm) until a homogeneous, lump-free mixture is obtained. Rest mixture for 1-2 minutes, add the remaining 1 litre of water and mix briefly for a few seconds to begin the application.

Prepare quantities that can be placed until 20 minutes. After this period, setting process starts and mortar reduces its workability. If necessary, remix the mixture to maintain its workability, but do not add any more liquid.

For application with temperatures above 30°C, use a mixing liquid composed of acrylic resin **MAXCRYL®** and water with a mixing ratio of 1:3.

Application

Apply either by metal or rubber trowel with an average thickness from 1 mm to maximum 2 mm, and preferably in two layers, the second layer once the first has set. Apply 1 or 2 layers depending on the roughness of the surface and the type of traffic expected. For very smooth and/or burnished finishes, use a metal trowel, lightly spraying it with water, as well as the surface of the mortar.

Once cured for 24-48 hours, the mortar can be coated with two coats of transparent polyurethane **MAXURETHANE® 2C** or **MAXURETHANE® FINISH** as transparent anti-stain and anti-dust protection.

Application conditions

Do not apply if rain or temperature below 5°C is expected within 24 hours. Do not apply to frozen or frost-covered surfaces.

At hot temperatures, low relative humidity and/or windy conditions, i.e. summertime, ensure surface is plenty saturated with water, prior to application. Avoid direct sun light if applying with hot temperature conditions.

Curing

With hot temperature (>30°C), windy conditions and/or direct sunlight, protect from quick drying the first 24 hours by spraying a fine mist of water, without washing out surface or by covering with polyethylene sheeting or damp burlaps.

Allow mortar to cure for 1 day (20°C and 50 % R.H.) before putting into service, i.e. pedestrian traffic. Lower temperatures and higher R.H. 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 **MAXPATCH® -M EXTRA-SMOOTH** is 1,8 kg/m² per mm thickness.

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.

IMPORTANT INDICATIONS

- Do not add cement or additives that may modify product properties.
- Observe the recommended maximum and minimum thicknesses.
- To recover the workability for material, proceed to remix but never add more water. Do not mix more material than can be applied in 20-30 minutes.
- Never use leftovers from previous batches to make a new batch.
- Do not apply on water-repellent substrates, bituminous materials, plaster, paint and/or metal supports.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXPATCH® -M EXTRA-SMOOTH is supplied in 25 kg bag or 25 kg metal drum. It is available in the following colours: dark grey, medium grey, pearl grey, anthracite, Dakota grey, grey, white and ivory.

STORAGE

Twelve months in its original unopened bag or drums, respectively. Store in a cool, dry and covered place, protected from moisture, freezing and direct exposure to sunlight at temperatures above 5°C.

SAFETY AND HEALTH

MAXPATCH® -M EXTRA-SMOOTH is not a toxic product but is an abrasive compound. 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 **MAXPATCH® -M EXTRA-SMOOTH**.

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	
General appearance and colour	Pigmented powder
Density, (g/cm ³)	1,1 ±0,1
Maximum aggregate particle size:	< 0,2 mm
Mixing ratio with water (% in weight)	20 ±2 (5 ±0,25 litres)
Application and curing conditions	
Minimum temperature for application and substrate, (°C)	> 5
Pot life at 20 °C & 50 % R.H., (min)	Approx. 20-30
Waiting time between layers at 20 °C & 50 % R.H., (h)	24
Curing time at 20 °C & 50 % R.H., for pedestrian traffic, (d)	1
Cured product characteristics	
Compressive strength at 28 days, EN 12190 (MPa)	> 30
Flexural strength, (MPa)	> 10
Chloride ion content, EN 1015-17 (% by weight)	≤ 0,05
Adhesive bond on concrete at 28 days, EN 1542 (MPa)	> 2,5
Capillary absorption, EN 13057 (kg/m ² ·h ^{0,5})	0,01
Thickness / Consumption*	
Thickness per layer as pure product (mm)	1-2
Consumption per layer as pure product (kg/m ² per mm thickness)	1,8

* 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)
Phone. +34 91 676 66 76 - +34 91 677 61 75
e-mail: info@drizoro.com Web site: drizoro.com