



MAXSTONE®

TWO COMPONENT RESTORATION MORTAR TO RETURN NATURAL STONE ELEMENTS TO THEIR ORIGINAL SHAPE

DESCRIPTION

MAXSTONE® is a two component, hydraulic setting, very light mortar, which acts as a mouldable continuous stone like mortar, to create or reproduce stone for interior or exterior applications.

USES

- Repair and substitution of decorative natural stone elements in monuments.
- Pointing of joints in stone, brick and ceramic.
- Replacing of material in stone elements.
- Imitation of rustic or masonry stonework.

ADVANTAGES

- Very low density.
- Mouldable and extrudable.
- Easy placement.
- Hard, resistant to moderate impacts.
- Allows adding pigments and natural stone aggregates to assimilate to the original.
- Resistant to rain.
- Allows replacing large volumes of material, minimising the overload on the element to be restored.
- Can imitate practically any type of finish.
- Does not slump.

APPLICATION INSTRUCTIONS

Preparation of the surface

The surface must be structurally sound and free from dust and loose elements. The application area must be cleaned and dampened with water, avoiding any excess on the surface.

In case the surface is not sufficiently strong, it must be consolidated previously with **MAXCLEAR® CONSOLIDATED** (Technical Bulletin n° 42).

Mixing

MAXSTONE® powder component is mixed with the liquid component at a mixing rate of 0.40 to 0.42 litres of liquid component per 1 kg of **MAXSTONE®**, in other words, with 40% of liquid component, allowing up to 42%. Mix manually or with mechanical means such as a drill and spiral mixer or with a concrete mixer, until obtaining a lump free, homogeneous mix. The material prepared has a pot life for application of about one hour at 20 °C.

Application

Because of its high adhesion it does not require the use of bonding agents, but if one is desired, a slurry coat of the same mortar with liquid component can be used. Apply **MAXSTONE®** with a spatula or trowel to the desired spot. If the volume to be placed is large, it is advised to do so in successive layers of up to 2 cm each.

Subsequent layers can be applied immediately after the prior is partially hardened, which under standard conditions can be between 4 to 5 hours. It is advised also to improve bonding between layers to scratch the prior layer while fresh and apply a primer of liquid component before applying the next one.

Once the mix has been placed, it can be moulded to the desired shape and finish using gloved hands, trowels, spatulas, burins, etc. After applying **MAXSTONE®** the time available for providing the finish is about 1 hour, depending on the climatic conditions.

In order to improve the finish it is advisable to spray water on the surface if the material loses freshness. Do not add excessive amount of water, just dampen to facilitate the work without causing superficial washout of the surface.

The hardened mortar can be worked mechanically with a lathe, mills or sand paper. For exterior applications it can be protected by an application of transparent water repellents, such as **MAXCLEAR® - D** (Technical bulletin n° 14.) or **MAXCLEAR® TOP** (Technical bulletin n° 114.), to improve its waterproofing. If a glossy finish is desired, a transparent coat of

MAXURETHANE® 2C (Technical bulletin nº 87), a two component polyurethane coat can be applied. The application of any of these products may cause a slight variation of the final colour hue, so prior tests on site are strongly recommended, or to consult our Technical Department.

CAUTIONS

- Do not apply on gypsum.
- Do not washout the surface during the obtaining of the finish.

PACKAGING

17 kg sets. (12 kg bags and 5 litre jerrycan)

TECHNICAL DATA

Colour		White greyish
Apparent specific weight (gr/cm³)		0,60
liquid component for mixing (%)		40 to 42
Specific weight of the mix (gr/cm³)		0,95
Specific weight of the dry mortar (gr/cm³)		0,90
Pot life (minutes at +20°C)		60
Adhesion at 28 days (MPa)		0,85
Mechanical strength		Flexural (MPa) Compressive (MPa)
28 days		3,5 10,0

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.** 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.



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ISO 9001
ISO 14001

BUREAU VERITAS
Certification



n° 6003176 / 6003176-MA

HEALTH AND SAFETY

MAXSTONE® is not toxic, but is abrasive in its composition. When mixing and placing on site do not use the hands without the protection of rubber gloves. If the product comes in contact with the eyes, rinse thoroughly with clean water without rubbing. Seek medical assistance if the irritation remains.

STORAGE

Twelve months in its original unopened containers and stored in a dry covered place at temperatures above 4°C.

COVERAGE

1 kg of **MAXSTONE®** fills a volume of approximately 1,2 litres, thus the coverage is 0,83 kg/m² and mm thick.