



MAXELASTIC® STONE

ABRASION PROTECTIVE COATING FOR SURFACES WATERPROOFED WITH MAXELASTIC®



DESCRIPTION

MAXELASTIC® STONE is a one-component waterproofing coating based on acrylic resins in aqueous dispersion and fine graded aggregates, specially formulated to be applied over roofs previously waterproofed with **MAXELASTIC®** that will be subject to moderate traffic.

It is supplied in the form of a thixotropic paste, suitable for application in liquid form, which once polymerised generates a coating that adheres completely to the substrate, providing protection against possible damage caused by pedestrian and vehicular traffic, with high stability against environmental agents and ultraviolet radiation.

APPLICATION

- Protection for waterproofing of all types of roofs, terraces and/or balconies, made with **MAXELASTIC®**, against damage caused by both pedestrian and vehicle traffic.
- As a decorative, and anti-slip finish on slopes and concrete pavements.
- Cycle paths and lanes

ADVANTAGES

- Lightweight, non-slip and abrasion resistant. No additional mechanical protection required.
- Fully compatible if installed over **MAXELASTIC®** coatings, with no needs for special primers.
- High durability. Unaffected by atmospheric agents and highly resistant to UV radiation.

- Suitable as a decorative finish with virtually no maintenance required. Available in several colours.
- Works perfectly between -15°C and +100°C.
- Easy to apply with a brush, roller or airless spray. No specialised personnel required. Superior to other traditional systems and eliminates the risk of using blowtorches as it is applied cold.
- Non-toxic, non-flammable and solvent free. Environmentally friendly.

APPLICATION INSTRUCTIONS

Surface preparation

The surface to be waterproofed must be solid, firm, rough and sound, with no poorly adhered parts, surface grout and as uniform as possible. It must also be clean, free of paint, efflorescence, loose particles, grease, release oils, dust, plaster, etc., or other substances that could affect the adhesion of the product. If the surface has previously been coated with paint, lime or acrylic treatments, etc., these must be removed, leaving only the strongly adhered remains.

For cleaning and preparing the substrate, preferably on smooth and/or low-absorbent surfaces, use sandblasting or high-pressure water, as aggressive mechanical means are not recommended.

Honeycombs, holes and cracks without movement, once opened and exposed to a minimum depth of 2 cm, must be repaired with a structural repair mortar such as **MAXREST®** (Technical Bulletin No. 2).

Reinforcements and metal elements exposed during substrate preparation must be cleaned and passivated with **MAXREST® PASSIVE** (Technical Bulletin No. 12), while superficial and non-structural reinforcement bars must be cut to a depth of 2 cm and then covered with repair mortar.

Metal surfaces must be cleaned by sandblasting or shot blasting until all traces of corrosion are removed, and must be degreased, dry and free of dust.

The waterproofing membrane of **MAXELASTIC®** to be protected must be dry, without poorly adhered parts, and as uniform as possible. It must also be clean, free of loose particles, grease, oil, dust, plaster, etc., or other substances that could affect the adhesion of the product.

Application

MAXELASTIC® STONE is supplied ready for use. Before application, stir the content of the drum using a clean and dry tool, or by mechanical means using a mixing disc at low speed (300-400 rpm), in order to get a homogeneous mortar and colour uniformity. The material is preferably applied with a trowel, rubber squeegee, or by laying out strips of the appropriate thickness and then levelling them, spreading it over the substrate or **MAXELASTIC®** membrane to the required thickness.

Protection of **MAXELASTIC®** coatings.

Apply directly onto the previous **MAXELASTIC®** waterproofing and, once dry, apply a layer of **MAXELASTIC® STONE** at a rate of 3,4 to 5,1 kg/m² (1,7 kg/m²·mm), i.e. a thickness of 2,0 to 3,0 mm, forming a continuous and uniform coating. If greater thickness is required, apply another coat before the first one dries. The waiting time between coats is a minimum of 5 hours and a maximum of 18 hours, depending on environmental conditions.

Try to delimit work areas that must be completed in each phase to avoid irregularly shaped joints.

Protection of concrete, mortar, metal and other substrates in general.

For direct application on concrete and levelling mortars, apply a primer first, diluting **MAXELASTIC®** with 20 to 30 % water. Then proceed with the application of **MAXELASTIC® STONE**.

Application conditions

Avoid outdoor applications if rain and/or contact with water, humidity, condensation, dew, etc. is expected within 24 hours of application.

Do not apply with substrate and/or ambient temperatures below 5°C or when temperatures are expected to drop below 5°C within 24 hours after application. Do not apply to frozen or frosted surfaces.

The substrate and ambient temperatures must be at least 3°C above the dew point. Likewise, do not apply when the relative humidity is above 90%.

Curing

Allow a minimum curing time of 7 days at 20°C and 50 % RH before testing for watertightness. Lower temperatures and/or higher RH values will prolong the curing time and delay the putting into service of the coating.

Cleaning

Before **MAXELASTIC® STONE** cures, all tools and equipment must be cleaned immediately with water after the application. Once it cures, can only be removed by mechanical means.

CONSUMPTION

For usual applications, the recommended coverage for **MAXELASTIC® STONE** is from 3,4 to 5,1 kg/m², which corresponds with an average thickness from 2 to 3 mm respectively, depending on the traffic (approximately 1,7 kg/m² per mm thickness).

Consumption may vary depending on the texture, porosity and condition of the substrate, as well as the application method, so it is recommended that an on-site test be carried out to determine the exact value.

IMPORTANT INDICATIONS

- Do not apply to substrates subject to moisture due to capillary rise or indirect hydrostatic pressure. Allow sufficient time for the substrate to dry after rain, dew, condensation or other inclement weather, as well as after cleaning the substrate.
- Allow at least 28 days curing time for newly laid concrete and mortar before application.
- Seal expansion joints or active cracks with a suitable sealant from the **MAXFLEX®** range and do not cover them with **MAXELASTIC® STONE**.
- Observe the recommended minimum and maximum consumption rates.
- Do not add to solvents or other unspecified compounds.
- Do not apply under flooring, on roofs with slopes of less than 2 % or in situations where there is a possibility of permanent contact with water, such as planters, areas with condensation or puddling, etc.

- For any application not specified in this Technical Bulletin, additional information or queries, please consult the Technical Department.

PACKAGING

MAXELASTIC® STONE is supplied in 25 and 5 kg drums. It is available in white, grey, green, red, tile and black colour.

STORAGE

Twelve months in its original unopened packaging. It must be stored in a dry and covered place, protected from frost and direct exposure to sunlight with temperatures from 5°C to 35°C.

SAFETY AND HEALTH

MAXELASTIC® STONE is non-toxic, but skin and eye contact must be avoided. Safety goggles and protective gloves should be used during application. In case of skin contact, wash affected areas with soap and water. In case of eye contact rinse thoroughly with clean water but do not rub. If irritation continues, seek medical attention.

Safety Data Sheet for **MAXELASTIC®** is available by request.

Disposal of the product and empty containers must be carried out according to official local regulations.

TECHNICAL DATA

Product characteristics		
General appearance and colour	One-component, coloured thixotropic paste with aggregates	
Density, ISO 1675 (g/cm³)	1,60 ± 0,10	
Application and curing conditions		
Minimum temperature / Relative humidity, (°C / %)	Ambient	Substrate
	> 5 / < 90	> 5 / ---
Waiting time between coats at 20°C, (h)	5-18	
Drying time at 20°C, (h)	24	
Total curing time at 20°C for flooding test, (d)	7	
Cured product characteristics		
Slip/Skip resistance, UNE-ENV 12633	Rd > 45. Class 3	
Abrasion resistance (Taber Index), ASTM D-4060. Wearing index (Abrading wheel: CS-10 & Load: 1,0 kg)	500 Cycles	1.000 Cycles
	0,60	0,60
Thickness / Consumption*		
Dry film thickness per application, (mm)	2,0-3,0	
Consumption per application, (kg/m²·mm)	1.7	

* Consumption may vary depending on the characteristics of the substrate and the application method. Test on site to determine the exact consumption.

GUARANTEE

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