DRACOSTONE POSA

PRE-BLENDED MORTAR FOR INSTALLATION SCREEDS FOR STONE FLOORING FOR VEHICLE TRAFFIC

Superior resistance to de-icing salts and freeze-thaw.

DRACO USABILITY PROGRAM

CONTROLLED SHRINKAGE

EXPOSURE CLASS XF4 UNI EN 206-1

DRACO

FLOORING
LINE

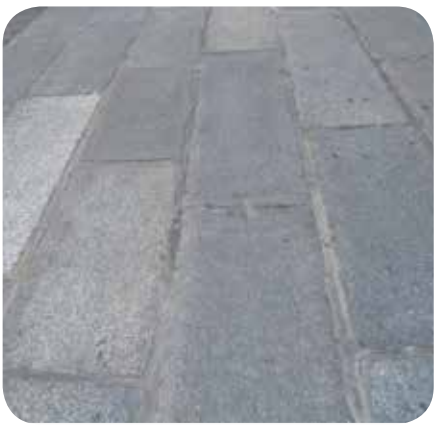
MORTARS FOR OUTDOOR STONE FLOORING FOR VEHICLE TRAFFIC

DRACOSTONE POSA is a pre-blended cement mortar with high compressive strength based on specific aggregates, hydraulic binders and special additives for creating installation screeds for architectonic stone flooring that is subject to vibration, traffic and thermal variations.

When mixed with water in the proportions indicated **DRACOSTONE POSA** is fast-drying, with controlled shrinkage, and can be quickly installed. The compact microstructure of **DRACOSTONE POSA** increases its bonding strength and flowability, making it the ideal floor surface for squares, pavements and bike paths, roads, car-parks, cobblestones, curbing stones etc.

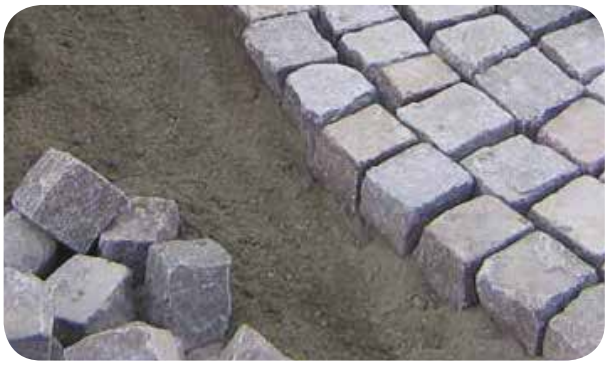
BENEFITS

- ✓ **SUPERIOR MECHANICAL STRENGTH:** the special formula of **DRACOSTONE POSA** ensures high compressive strength and resistance to dynamic stress.
- ✓ **OPTIMUM RESISTANCE TO AGGRESSIVE ENVIRONMENTS: DRACOSTONE POSA** is long-lasting thanks to its superior resistance to freeze-thaw cycles and de-icing salts.
- ✓ **COMPACT MICROSTRUCTURE:** thanks to its microstructure **DRACOSTONE POSA** is impermeable to water and resistant to abrasion even when subject to variations in temperature.



WHERE TO USE

- ✓ Installation screeds for natural stone floor surfaces and paved flooring for cobblestones, smolleri bricks, small blocks, slabs and porphyry stone.
- ✓ Flooring for roundabouts, pedestrian crossings, roads and all flooring for vehicular use.



SUBSTRATE

- The substrate must be solid and specifically designed in accordance with the intended use and stresses that the flooring will have to endure during operation.
- Clean thoroughly and remove any debris, dust or flaking parts.
- Either apply a non woven fabric to the substrate to separate the screed from the underlying layer or dust the entire surface with sand.
- Expansion joints must be incorporated during the design phase, especially where there are discontinuities, changes in gradient or the presence of elements such as pipes, sewers or manholes.

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DRACOSTONE POSA

PREPARATION OF THE PRODUCT

DRACOSTONE POSA must be mixed with water in the proportions indicated in order to obtain a paste with the consistency of wet earth.

APPLICATION PROCEDURE

1. Spread **DRACOSTONE POSA** over the surface of the bedding layer to a thickness of approx. 5 – 7 cm. The paste must remain moist. If the floor is made of paving slabs apply a bonding slurry to the back of each stone, prepared as follows:
   - 1 part by weight: COLLACEM
   - 1 part by weight: water
   - 2 parts by weight: cement
2. The slurry should be applied immediately prior to laying **DRACOSTONE POSA** (fresh on fresh). Apply the paving in accordance to the project requirements. All joints should be at least 5 mm and not above 15 mm. Once the installation has been completed sprinkle the surface with water before the compacting process.
3. Saturate the surface and clean the joints thoroughly by removing any debris or standing water and then grout all element joints with **DRACOSTONE.**

PRECAUTIONS

- Grout all joints on the same day as the laying of the installation screed (fresh on fresh).
- In the presence of adverse weather conditions (strong wind, rain, or high or low temperatures) protect the flooring for at least 12 hours after laying with protective cloths or an anti-evaporation system to prevent it drying out too quickly.

PACKAGING AND STORAGE

DRACOSTONE POSA is packaged in:

- 25 kg bags

If kept in its original packaging and properly stored under cover in a dry place, the product maintains its characteristics for a year.

PRODUCT CHARACTERISTICS

APPEARANCE	Powder
COLOUR	Grey
CONSISTENCY	Wet earth
APPARENT DENSITY	1600 kg/ m^3
SPECIFIC GRAVITY	2.200 ÷ 2.250 kg/ m^3
MAXIMUM SIZE OF AGGREGATE	2.5 mm
SHELF LIFE	12 months

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DRACOSTONE POSA

DRACO FLOORING LINE

APPLICATION DATA 23°C 65% RH

CONSUMPTION	15 ÷ 17 kg/ m^2 per cm of thickness
MIXING WATER	9 - 10%
PERMITTED TEMPERATURE OF USE	from +5°C to +35°C
MIXING TIME	min. 5 – max. 10 minutes
SETTING TIME AT 20°C	Start 2 hours – end 6 hours
WORKABILITY	Approx. 30 minutes
FOOT TRAFFIC	10 – 18 hours
VEHICLE TRAFFIC	7 days (+20° C)

FINAL PERFORMANCE

CHARACTERISTICS	PRODUCT PERFORMANCE
COMPRESSIVE STRENGTH	9 MPa (1 day) 34 MPa (3 days) 43 MPa (7 days) 49 MPa (28 days)
FLEXURAL STRENGTH	3,5 MPa (1 day) 6 MPa (3 days) 7 MPa (7 days) 8 MPa (28 days)
RESISTANCE TO AGING	Excellent
RESISTANCE TO MOISTURE	Excellent
RESISTANCE TO HYDROCARBONS	Excellent
TEMPERATURE RESISTANCE	from -30 ° to +100 °

Legal notice - SLCMP version dated 01.03.2017

In the technical specifications herein, Draco Italiana s.p.a. used the indicators therein specified, with the relevant standards.

Please check if this Sheet and the figures therein contained apply to the product batch you are interested in or if they have been overridden by any later release. If in doubt, check whether this Sheet matches the one applicable at the time of finalising the sales agreement, at **www.draco-edilizia.it**, and/or contact our Engineering Department.

No advice provided by our staff, either verbally or in writing at your request, about the potential applications of the Products shall be binding under the sales agreement or shall be considered an integral part of the agreement. Such advice is based on our experience and on the best available practical and/or scientific knowledge; as such, it shall not be binding or conditional on the buyer or user. Please try our products first to find out whether they are fit for your intended use or application; in any case, you shall be solely responsible for your choice.

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