



DECOWALL

DESCRIPTION

Impermeable transpiring mortar provided in various colours of excellent adherence for the revetment of external and internal facades . Directly placed on concrete, bricks or dry wall and subsequently stamped to obtain a perfect imitation of pebbles, stones bricks etc. It consists of a plastic plaster formed by DECOWALL protected with DECOWAX neutral tinted or coloured or with DECOTINT. It can be finished, wrought ,raised, orange skin, by roller, stamped.

PRODUCT

The DECOWALL is provided in paper sacks (three sheets with the central one in polyethylene) weighing 25 kg each stored on 60 sacks pallets for a total weight of 1500 kg . It can be manufactured in various colours.

The outcome results to be about 1,8 sqm of 1 cm thickness per bag. Mineral products are part of its composition for more than 95% it corresponds to MO classification in respect of the blaze degree according to the NBE-CPI-96 rules .

INSTALLATION

DECOWALL is recommended to be applied on normal concrete supports, bricks etc. should not be applied on hydro repellent supports of gypsum on paintings and plastic revetments . The supports must have the following qualities:

Resistance : neither deformable nor degradable

Cleaning: Dust free mush, oil degradable paint incrustation etc.

If surfaces are very degraded is advisable to protect them by applying a layer of rough finishing and only when this will have sufficiently hardened DECOWALL could be applied. It is necessary to let the newly applied strata to become very hard before applying DECOWALL. It always recommended to abrade the smooth surfaces.

Before applying DECOWALL it is imperative to ascertain that mostly the shrinkage of the supporting strata has taken place.

The support should not be very dry, it is necessary therefore to moist the surface waiting that the moisture is absorbed by the strata itself. **Do not apply DECOWALL on saturated support.**



MIX PREPARATION

The dust product must be mixed with 20% water +- 1% in mixing machine or plastering machine so to guarantee an optimum mix. In cases where mixing is performed by hand be sure of its correct and homogeneous mix before applying.

The mix already prepared must be applied within one hour after having had it rested for 5-10 minutes in order to allow a better dissolving of the additives in the product composition.

APPLICATION

The Mix is applied by a spatula or by machine by a minimum thickness of 10mm also if an average thickness of 15 mm is recommended. Once the surface has been smoothed with the spatula various finishing can be performed or direct printing can be done.

STAMPING

Over the just finished surface by spatula stamps moisten with STONE LIQUID RELEASE stamped with the required finishing (old brick, ardesia, lavagna etc) will be used. These will be forced on the revetment until the desired feature is stamped.

CONDITIONS OF APPLICATIONS

In the DECOWALL application the same rules of the state of art for the traditional hydraulic revetments will be used : **For the application of the revetment it is recommended that the support temperature measured on the same support, is not below 5 degrees nor above 30 degrees, it is mandatory to adopt special precautions when the temperature is lower than the lower limit.**

In the presence of dry wind or hot temperatures the revetment must be humidified 24 hours before its application to avoid appearing of anomalies on the same (air cracks, areas with dust etc). Higher the temperatures higher the appearance of these phenomena. With low temperatures and high humidity the risk of appearance of florescence because of carbonation of the revetment increases.

Joints

On the revetments structural joints are mandatory.




CONCLUSIONS

DECOWALL corresponds to a semi-light plaster (between 1200-1550 kg/mc), it has a medium high capacity of water retention which allows an easy placing and a satisfactory final appearance of the revetment regardless the absorbing differences that could occur. Its adherence is sufficient to assure a correct bond of the finished product. It has a medium elasticity module useful to absorb little movements of the support. The coefficient of capillarity can be qualified as very weak and this constitute a bust for the material resistance to water penetration assuring the low permeability required for the single strata revetments.

IMPORTANT:

What's in this data sheet is based on best knowledge derived from practical experience and laboratory. This document cancels and replaces the previous ones. The data can be modified at any time. The customer has the responsibility to verify that the product is suitable for the application they want to perform. The manufacturer assumes no responsibility for the results of incorrect applications. It is strongly recommended to test the product on a small area before application. The product is for professional use. The International Stone regularly organizes training courses for its customers who request it. Those who use these products without being entitled do so at their own risk.

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UNI EN 998-1 Malta per intonaco Per usi generali (GP)
Reazione al fuoco/Reaction to fire : A1 Resistenza a compressione/Compressive Strength (N/mm ²): categoria/category CS IV Adesione/Adhesive Strength (N/mm ²): 0,78 N/mm Tipo frattura/Breaking point (FP) : A Assorbimento d'acqua/Capillar Water Absorption: W2 Permeabilità al vapour acqueo/ Water vapor permeability: 7,1μ, 9.4 μ resinato/sealed Densità secco/ Dry Density (Kg/m ³): 1461 Conducibilità termica/ Thermal conductivity (λ _{eq}): 0,41 W/mK Durabilità/durability: NPD