



# ROCKWALL

## DESCRIPTION

It's the ideal product to realize natural elements like simulated stone, rock, falls, texturing vertical surfaces subjected to hits and other natural surfaces.

Suitable to be used in public spaces, for instance premises, gardens theme parks etc.. thanks to its good resistance to hits.

It is composed of cement, polymers, admixtures and selected sands. ROCKWALL sticks perfectly on concrete, bricks, wood or dry till a thickness of 8-10 cm.. Rockwall is an easy to apply add water only product, it may be colored with DECOTINT and sealed with SEAL W both water based. Rockwall may be easily textured by carving, stamping and other texturing methods.

### ADVANTAGES:

- Easy use.
- Good strength to hits.
- High build up, 8-10 cm.
- Hydrophobic.
- Great for shallow
- Excellent adhesion
- May be used on interiors and exteriors.
- Economical and durable
- Attractive decorative finish.
- Fiber reinforced.
- Many colors to choose from.
- Not affected by weather or freeze and thaw cycles.
- Applicable in marine environment

## PRODUCT

The ROCKWALL is provided in paper sacks weighing kg 15 each, it is available in white and grey colour. Upon request 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

ROCKWALL 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 ROCKWALL could be applied. It is necessary to let the newly applied strata to became very hard before applying ROCKWALL. It always recommended to abrade the smooth surfaces otherwise use a primer.

Before applying ROCKWALL 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 ROCKWALL 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. **Rockwall can be applied till a thickness of 8-10 cm all in one coat** .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 you can carve the surface or stamp the 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. After this you can color it with Decotint , available in different colours, and than seal the surface with Seal W.

## CONDITIONS OF APPLICATIONS

In the ROCKWALL 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

ROCKWALL corresponds to a light plaster (between 1100-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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