



# MAXCLEAR®

## CONSOLIDATED

**READY-TO USE LIQUID PRODUCT FOR CONSOLIDATION OF NATURAL STONE, BRICKS AND MINERAL SUBSTRATES**



### DESCRIPTION

**MAXCLEAR® CONSOLIDATED** is a liquid product based on ethyl silicate compounds. Once applied, it penetrates deeply on substrate and vitrifies forming a glass-like substance, and therefore fills and seals all pores and capillarity net, consolidating and strengthening the treated surface.

### APPLICATION FIELDS

Consolidation and restoration of natural stone, stucco, frescoes, brick, ceramic, terracotta, etc damaged by weathering influences in monuments, historical buildings, facade renovation, heritages,

**MAXCLEAR® CONSOLIDATED** is suitable for all mineral and absorbent building materials.

### ADVANTAGES

- One-component, ready-to-use, easily applied by brush, roller or air-less.
- Low-molecular weight provides optimum consolidation by deep penetration, therefore it does not work just like a surface hardener.
- Tack-free and quick drying, therefore no dirt attraction.
- Transparent product which does not change aesthetic finish of the surface treated.

- The new-formed product is mineral; therefore it is compatible with the building materials.
- Provide higher resistance to weathering, freezing and rain water.
- Reduces the water absorption by capillarity of the substrate.

## APPLICATION INSTRUCTIONS

### Substrate preparation

It must be clean and free of paints, coatings, efflorescence, loose particles, grease, oils, curing agents, form release agents, dust, gypsum plasters, organic growth or any other contaminants that may affect to penetration of the product. For cleaning and preparing the substrate, use metal brush and high pressure water cleaning, not being desirable aggressive mechanical means. In many cases, the stone is already friable so that cleaning without a further loss of substrate is unavoidable. All voids, cavities and cracks in substrate can be repaired with **MAXREST**<sup>®</sup> (Technical Bulletin No. 2) and joint mortar defects can be repaired with **MAXJOINT**<sup>®</sup> (Technical Bulletin No. 09).

Substrate must be completely dry and absorbent before application. Surface moisture content must not exceed 5 %.

Substrate must have some minimum porosity to allow the product penetration; otherwise, it may be retained on surface changing aesthetic appearance of substrate.

### Application

**MAXCLEAR**<sup>®</sup> **CONSOLIDATED** is applied by brush, roller or air-less (such as spraying devices or spray- bottles). Apply in one single coat until full saturation of the substrate.

If needed, a second application can be done after 2-3 weeks, also until full saturation of substrate. If the subsequent treatment is made before the formation of active substance is completely finished, the stone will not be able to absorb the product. Consequently, the surface may become greyish.

### Final treatment

It is advisable to conclude the consolidation works with a transparent protection of water repellent against rainfalls such as **MAXCLEAR**<sup>®</sup> or **MAXCLEAR-D**<sup>®</sup> (Technical

Bulletin No. 13 and 14 respectively), once **MAXCLEAR**<sup>®</sup> **CONSOLIDATED** is cured 4 weeks.

**Application of paints and cement mortars**  
Areas treated with **MAXCLEAR**<sup>®</sup> **CONSOLIDATED** can also receive cement mortars (**CONCRESEAL**<sup>®</sup> **PLASTERING**) or acrylic coatings (**MAXSHEEN**<sup>®</sup> **ELASTIC**), once is fully cured 4 weeks.

### Curing

Treated areas should be protected against rainfalls and strong direct sunlight (>30 °C) during the following 2-3 days. In such case of hot temperatures, it will evaporate too quickly and therefore cannot penetrate sufficiently. In order to prevent the effect of high temperature (> 30 °C), apply under shade area. The optimum application temperatures are those between 10 and 20°C. The relative humidity of the air should be > 40%.

## CONSUMPTION

Consumption of **MAXCLEAR**<sup>®</sup> **CONSOLIDATED** may range from minimum 0,5 l/m<sup>2</sup> to maximum 5 l/m<sup>2</sup> per coat, depending on type and substrate conditions, being the average consumption from 0,5 – 1 l/ m<sup>2</sup> per coat.

These estimations are for guidelines only and the consumption of **MAXCLEAR**<sup>®</sup> **CONSOLIDATED** must be previously determined in-situ with a test surface.

## CAUTIONS

Protect plastic surfaces, PVC and plants close to application area.

## PACKAGING

**MAXCLEAR**<sup>®</sup> **CONSOLIDATED** is supplied in 5 litres can and 25 litres drum.

## STORAGE

Twelve months in its original, unopened packaging, protected from frost and direct sunlight, in a dry covered place from 5 °C to 35 °C.

## SAFETY AND HEALTH

**MAXCLEAR® CONSOLIDATED** is a flammable product so all storage, transport and handling precautions must be observed for this kind of product. Do not smoke in working areas and provide adequate ventilation. Keep away packaging from heat and ignition sources.

Skin and eye contact must be avoided. Safety rubber goggles and protective gloves should be used when handling and applying the product. In case of contact with skin, wash

affected area with soap and water. In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If irritation persists, seek medical assistance.

Consult the Material Safety Data Sheet for **MAXCLEAR® CONSOLIDATED**.

Disposal of the product and its packaging should be carried out according to the current official regulations and it is responsibility of the final user of the product.

## TECHNICAL DATA

Characteristics liquid product	
Appearance	Colourless/ light yellowish liquid
Density at 25°C (kg/l)	0,94 ± 0,1
Flammable point (°C)	33
Optimum application temperature (°C)	10 - 20
Ignition temperature (°C)	+230°C
Consumption (l/m <sup>2</sup> )	0,5 – 5

## 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.U.** 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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