

ADVANTAGES OF CIR SOLUTION

The solutions proposed by CIR guarantee a high consolidating power in the mineral substrates and the total absence of by-products which would damage the finishing after consolidation. Moreover **CONSACRILIC** and **ACQUACONS** are formulated with the use of active ingredients with very small molecular dimensions, which allow a high penetration and the absence of superficial films on the supports.

CIR SOLUTION STRENGTHS:

- IT HAS HIGH PENETRATION POWER
- IT IS COMPATIBLE WITH THE CHEMICAL AND PHYSICAL PROPERTIES OF MATERIALS
- GUARANTEES VAPOR PERMEABILITY
- DOES NOT CAUSE DAMAGING BY-PRODUCTS
- IT IS TOXIC AND ECO-COMPATIBLE

PLASTER CONSOLIDATION

THE SOLUTION



Cir Division of Costanter S.p.A.

52100 AREZZO Italy Tel. +39 0575 657391 Fax +39 0575 1653001
info@circhimica.com - www.circhimica.it



TECHNOLOGIES FOR THE TREATMENT OF NATURAL STONE AND ARTIFACTS

Art meets the craft

CHEMISTRY SERVING THE WORK OF MAN IN RESPECT OF THE ENVIRONMENT



PRODUCTS FOR BUILDING INDUSTRY,
MONUMENTS RESTORATION,
FLOORINGS AND GRAFFITI

CLEANERS - CONSOLIDATES - PROTECTIVES - DEHUMIDIFYING PRODUCTS

PLASTER CONSOLIDATION: THE SOLUTION

PROBLEM

Mineral surfaces, plasters or finishing, can be powdering and in some cases poor in binder and, therefore, with insufficient mechanical resistance.

These conditions do not allow the subsequent finishing operations to be carried out in a suitable manner as the latter may find a defective adhesion to the underlying support.

The realization of finishes above unsuitable surfaces can lead over time, due to the tensions that are formed between the various layers, to micro-cracks from which the water will trigger its degrading action.

The problem described above also occurs on old paint, aesthetically degraded but still load-bearing, for which it is intended to perform an overlying finishing intervention.

SOLUTION

FOR COMPROMISED PLASTERS: Application of high penetration consolidants to block the dusting of the surfaces, restoring compactness and strength of the materials.

CONSACRILIC



ACQUACONS



FOR LOW-COMPROMISE PLASTERS: Uniform the absorption of surfaces in order to facilitate the application of subsequent finishing products.

PRIMER FIX



INTERVENTION CYCLE

- Removal of pollutants present on surfaces with a specific CIR cleaner
- On a clean and dry surface, carry out the consolidation intervention with the application of one of:
CONSACRILIC - ACQUACONS - PRIMER FIX
- Evaluate the consolidating effect
(after 24 hours for **CONSACRILIC** - about 4 days for **ACQUACONS** - 6 hours for **PRIMER FIX**)
- Subsequently proceed with finishing operations

WATER BASED CONSOLIDANTS

ACQUACONS



STRENGTHS

- Water based product
- Mineral product based on silicate lithium
- Non-toxic VOC = 0
- High penetration
- High consolidating power
- Does not alter the materials

EXAMPLES OF USE

- Concrete or lime based crumbling plasters
- Incompact natural stones: Tuff – Carparo
– Travertine – Pietra Serena Sandstone – Sandstones in general
– Marble – Lecce Stone
- Incompact artifacts:
Brick Face View - Architectural Elements
- Crumbling mortars and stuccos

APPLICATION



CONSACRILIC



STRENGTHS

- Water based product
- NANOTECHNOLOGICAL product
- Non-toxic VOC = 0
- High penetration
- High consolidating and insulating power
- Absorption can occur uniformly

EXAMPLES OF USE

- Concrete or lime based plasters
- Gypsum based finishing
- Drywall
- Old paintings

APPLICATION



PRIMER FIX



STRENGTHS

- Water based product
- Acrylic base
- Uniform absorption

EXAMPLES OF USE

- Mineral or concrete crumbling plasters
- Well-adhered paints

APPLICATION

