



ADVANTAGES OF CIR SOLUTION

The solution proposed by CIR allows to act on a wide spectrum on microorganisms, in a selective way, without causing damage to the material or interactions with biodeteriogens. The ready-to-use formulations minimizes the risks of mixing the various active ingredients on site, which would require expert dexterity and specific tools.

CIR SOLUTION STRENGTHS:

- IT IS HIGHLY EFFECTIVE AGAINST BIODETERIOGENS
- RESPECTS THE TREATED MATERIALS
- DOES NOT CAUSE COLOR CHANGES OF MICROORGANISMS
- IT IS NOT HARMFUL EITHER FOR OPERATORS AND ENVIRONMENT
- ACTS ON A WIDE SPECTRUM IN MULTIPLE CASES



MOLDS, ALGAE AND BACTERIA 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

MOLDS, ALGAE AND BACTERIA: THE SOLUTION

PROBLEM

On the porous surfaces are often present biological manifestations due to living organisms that develop on the surface, after that this has already undergone a degradation process derived from its exposure to the environment.

Agents and pollutants present in the atmosphere, cause an increase in the porosity of the materials, with formation of roughness, cracks, accumulation of dirt and atmospheric particulate.

After this first phase of alteration, some biological form of various organisms can appear: their reproductive spores and seeds can be anchored on surfaces, where they develop and multiply.

The most common groupings of such **BIODETERIOGENS** are: **Algae - Lichens - Musks - Molds**.

SOLUTION

CLEANING

Apply effective cleaning methods against biodeteriogens based on quaternary ammonium salts:

BIO C



BIO T PLUS



PROTECTION

Implement a protective intervention to delay their reappearance through the use of specific formulations:

BIO PT 15



N.AG PLUS



INTERVENTION CYCLE

- Application of **BIO C** and **BIO T PLUS** on surfaces infested by microorganisms
- Wait 24- 48 hours
- Proceed with the removal of microorganisms by brushing or rinsing
- To prevent the formation of Biodeteriogens, apply **BIO T PLUS** again
- Then proceed with application of the specific protective or finishing **BIO PT 15** or **N. AG PLUS**

CLEANERS

BIO C

STRENGTHS

- Water based
- Broad spectrum of action against biodeteriogens
- Not harmful for the materials
- Ready to use, with correct percentage of active ingredient
- Does not interfere with substrate microorganisms

EXAMPLES OF USE

- Natural stones of any nature
- Face brick
- Application on painted surfaces

APPLICATION



BIO T PLUS

STRENGTHS

- With dual action, cleaning and prevention
- Water based
- Broad spectrum of action against biodeteriogens
- Not harmful for the materials
- Ready to use, with correct percentage of active ingredient
- Does not interfere with substrate microorganisms
- Prevents the formation of biodeteriogens

EXAMPLES OF USE

- Natural stones of any nature
- Face brick
- Application on painted surfaces

APPLICATION



PROTECTIVES

BIO PT 15

STRENGTHS

- Solvent based product
- Makes surfaces treated water-repellent
- Does not alter the porosity of the material
- Prevents the formation of biodeteriogens
- Equipped with technical-scientific data sheet

EXAMPLES OF USE

- Porous natural stones of any nature
- Face brick
- Painted surfaces
- Specific for the treatment of facade materials

APPLICATION



N. AG PLUS



STRENGTHS

- Mineral product based on water
- Nanotechnological product with silver ions
- Does not alter the treated materials
- It actively prevents the formation of microorganisms and bacteria
- Does not change the breathability of materials

EXAMPLES OF USE

- Coatings of any type and grain
- Applicable on finishes for indoor and outdoor
- Specific for the treatment of facade materials

APPLICATION

