

CHEMICAL CHARACTERISTICS

Code:	AT 601 AT - 03
Aspect:	dense white liquid
Boiling point:	approximately 100°C
Degree of fusion:	approximately 0°C
Specific gravity:	1,0 – 1.5 (at 25°C)
Smell:	none
PH:	from 10.5 to 11.5
Dilution:	in water
COMPOSITION:	Agglomerate of Titanium Dioxide (anastase shape)
Degree of danger:	none
Inflammability:	none
Environment's effects:	none

APPLICATION INSTRUCTIONS:

The product having to be pulverized with special appliances, it is necessary to employ qualified personnel that we can either form ourselves or put someone at your disposal.

PREPARATION OF THE HOLLOW BLOCK:

Before applying the product, the preparation of the hollow block must be as follows:

On existing surfaces

The upper visible coat is cleaned with compressed air or with pressurized water, in order to eliminate superficial dirt and contaminations.

The surfaces that are not smooth will have to be prepared, removing possible dirt and treated with an base application of primary product

On new surfaces

New surfaces may need a coat of primary product

The surface will have to be dry with moisture under 20%.

In presence of organic products, the surface should be coated with a non-organic primary.

It is probable that more than one layer is necessary on rough surfaces, so as to obtain the desired thickness when dry.

VALIDATIONS:

Effectiveness of Baticline in the elimination of viruses and bacteria in suspension, confirmed by the report of KITOSATA INSTITUTE, Japanese institute for medical research on the environment

Effectiveness of photocatalytic activity recognized by THE CNR, Italian National Center of research for the environment (Oct. 2004)

Confirmation of non-existing chemical substances in the treated environment, by the superior Italian Institute of health (feb.2005)

Non-toxicity of the titanium dioxide on humans confirmed by the Catholic University of sacred Heart of Rome (feb.2005)

Certification of the product by the SITPA, Japanese association of manufacturers of products containing titanium dioxide

SCHEDULE OF CONDITIONS:

Supply and application of a photocatalytic protective coat containing Titanium Dioxide "TiO₂" in order to decrease the air pollution of type NO_x, SO_x, VOC.

Product with antibacterial properties, preventing moulds and its derivatives, anti-stains and anti-pollutants.

This product is presented in its liquid form and is composed of nanoparticles (one millionth of millimeter). This product is perspiring and transparent.

It can be applied on various surfaces as : stone, freestone, concrete, marble, plaster, cement, wood, metal, glass, laminates. For use on varnished or painted areas, make sure that they are not of organic nature; if so, they have to be covered with a primary basis.