



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240



FILIALI:
VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

NANO SILO OR

WATER-BASED NANOTECHNOLOGICAL OIL-WATER-REPELLENT PROTECTIVE FOR MATERIALS OF HISTORICAL - ARTISTIC INTEREST

CHARACTERISTICS:

NANO SILO OR is an aqueous dispersion of nanometric fluorosilanes, capable of imparting an oil-water-repellent and stain-resistant protective effect, with high penetration capacity on the treated surfaces.

A correct application of **NANO SILO OR** allows to obtain:

- good depth of penetration
- significant reduction in the absorption of water, oils and other non-polar substances, with a consequent **anti-writing effect** on more compact materials
- excellent permeability to water vapor
- absence of film-forming effects
- chromatic variations below the perception threshold, absence of yellowing over time
- good duration of treatment

USE

NANO SILO OR is indicated in the protection of materials of historical and artistic interest such as:

- natural stones with a carbonate or silicate
- artificial stones, plasters, cement mortars and ceramic materials
- brick and terracotta
- wood
- natural fibers such as cotton, linen...
- leather, parchment

Due to its oil-repellent properties it is particularly useful for the treatment of floors, reducing the penetration of dirt and facilitating cleaning and maintenance operations.

APPLICATION METHOD

NANO SILO OR is ready for use. The surface to be treated must be **dry, clean**, and restored from any efflorescing present salts and, in the case of the presence of microorganisms, these must be previously removed with Biotin T, Biotin R1 + R2, or New Des 50.



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240



FILIALI:
VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

The atmospheric temperature must be between 5°C and 40°C and, in the case of high ambient temperatures, the surface to be treated must not be exposed to sunlight at the time of application.

The oil-water repellent effect develops following a reaction that takes 24 hours; in this period the surface must not be wet. If you want to obtain an **anti-writing effect**, apply three wet-on-wet coats: in fact, once the first coat has dried, the water-repellent effect will prevent subsequent coats.

At the end of the application, wash the tools with water.

EFFECT

Due to the heterogeneity of the treatable materials, it is essential to carry out preliminary tests on samples of the material to be treated in order to verify the quantity of product to be used (usually between 0.1 and 0.2 l / m²). For purely indicative purposes, the obtained effects on 3 types of flooring stones are reported.

- Pink marble 17 m²/l
- Gray sandstone (Firenzuola) 12 m²/l
- Compact limestone 10 m²/l

PHYSICAL DATA

Active principles	Fluorosilane
Solvent	Demineralized water
Viscosity (at 20°C)	1,0 mPa.s
Density (Kg/l)	1,01 ± 0,02

PACK SIZE

NANO SILO OR is available in pack size of 1 liter and 5 liters.

STORAGE

12 months in original containers hermetically sealed and protected from humidity.

The temperature must never reach 0°C, because the freezing of the product will cause the flocculation of the active ingredient, and the total loss of efficacy of the product.

Information contained in this data sheet is based on our state of knowledge and on laboratory testing at the above-specified date. The User should determine, by preliminary tests, the suitability of the product for his intended purpose, and should observe the laws and regulations regarding health and safety.

C.T.S. S.r.l. guarantees the constant quality of the product but is not accountable for any damages caused by the incorrect use of a material. The product is intended **for professional use only**. In addition, the components and packaging can change at any time, without any obligation of prior notice.