

<b>general description:</b>	Thermoplastic polymer based, hydrodilutable, high TG. Specific for antibacterial coatings.
<b>specifications:</b>	Pigments and charges: mineral oxides and silicates (lead and chromium free). Medium thickness, short time drying process and long pot life. Film half-opaque, hard, flexible, with excellent adhesion even on galvanized sheet iron and aluminium. Good resistance to abrasion and to impact and in general to the chemical attack. An organic antibacterial element is added.
<b>area of applications:</b>	As a finishing of masonry structures and for the protection of particularly bacterial aggressive ambients. For the inner coating of airconditioning ducts aimed at a long lasting antibacterial and antifungi sanitation. Applicable using a paint brush, a hand roller or a spray machine.
<b>delivery:</b>	Kg 20 in cans

tests specifications	reference norms	unit measure	values
flash point	Not inflammable	°C	
specific weight at 23 ± 2°C	ASTM D 792	Kg/dmc	Ab. 1.20
solid content on the total weight	ASTM D 2697	%	53±2
solid content on the total volume	ASTM D 2697	%	44±2
viscosity Ford 4 to delivery at 20 ±1°C	ASTM D 1200	sec	tixo
Grinding degree	ASTM D 1214	µm	≤10
pot life a 20 ± 1°C	ASTM D 792-66	hours	≥24
Time of dust dry at 20 ±1°C	ERL 13-70	minutes	15 ±30
Drying to the feel at 20 ±1°C	ERL 13-70	minutes	15 ±30
Complete hardening at 20 ±1°C	ERL 13-70	days	1
Time of overapplication at 20 ±1°C	ERL 13-70	hours	1÷ 2
Resistance to continuous temperature	-	°C	80
Resistance to impact	ASTM D 2794	N.cm	≥100
Adhesion to sandblasted iron	DIN 53151	-	GTO
Degree of abrasion wear	ASTM D 4060	GA	0.006
nb: Above tests values have been obtained in laboratory and are indicatives for the use of the materials, but they are not to be considered as guarantee.			

<b>fields of application</b>	The product is used as a POLYMERIC BACTERIUMSTATIC COATING for a long term sanitization of the inner walls of the airconditioning ducts made of galvanized sheet iron with or without inner fiberglass coating. Furthermore the product can be applied on ducts made of steel, of cement and of flexible PVC, on inner walls of the air treatment units (ATU) and on the inner masonry walls where an high antimicrobic and antifungi activity is required.
<b>mixing</b>	Until a perfect homogenizing is reached by using Cowels mixer or similar. It is advisable to carry out the mixing operation with an electric and low speed drill and a suitable whip.
<b>use</b>	The product cannot be applied on wet or frozen surfaces. Pre-treat the oily surfaces with a PRIMER in order to favour the adhesion of the product to the surface.
<b>application</b>	The product may be applied by using an hand roller, a paint brush or it can be sprayed (airless or airmix). If using a spray system the spray pressure, the air pressure and the dimensions of the nozzles vary depending from the type of the spray machine used. Delute the product with water in quantity variable from 10 to 30% depending from the system used for the application.
<b>product quantity</b>	Variable depending from the roughness and from the kind of the support to be treated. Theoretic consumption: <ul style="list-style-type: none"> <li>Galvanized sheet iron. Steel sheet or PVC: 0,6 kg/m<sup>2</sup></li> <li>Galvanized sheet iron with inner coating: 1 kg/m<sup>2</sup></li> <li>Masonry ducts: 0,8 kg/m<sup>2</sup></li> <li>Masonry inner walls surfaces: 0,3 kg/m<sup>2</sup></li> </ul>
<b>times</b>	- Dust dry time to the feel at 20°C: 15÷30 minutes (4÷5 hours inner ducts coating) - Time for overcoating at 20°C: 1÷2 hours (10÷12 hours inner ducts coating)
<b>application temperature</b>	Higher than +5°C
<b>storage</b>	Store at a temperature higher than + 5°C and lower than +40°C. The product cannot be used if during the transport or the storage becomes frozen. Close very well the cans already opened and use the remainig product in a short time. Do not pour the product in cans which are not enamelled: danger of corrosion.
<b>limit of utilization</b>	12 months from the production date.
<b>hygiene</b>	It is important to handle the product with the necessary precautions by wearing suitable working suits. (see safety sheet ). For spray application use mask and protective glasses
<b>empty cans</b>	Do not dispose the empty cans in the environment but eliminate in accordance with the national laws.