

STRATO 4900



LATEX ADHESIVE CONTAINING BUTADIENE-STYRENE COPOLYMERS AND ANTI-CORROSIVE ADDITIVES FOR THE PASSIVATION OF REINFORCING RODS WITH CEMENT GROUT

CHARACTERISTICS		ENVIRONMENT	METHOD OF USE	
				<i>min. +5°C</i> <i>max +35°C</i>
WATERPROOF	WATER BASED	ECO GREEN	APPLY BY ROLLER	APPLICATION TEMPERATURE

PROBLEM

FOR PASSIVATING REINFORCEMENT RODS PROTRUDING FROM DETERIORATED CONCRETE. TO INCREASE THE GRIP OF MORTAR



The formation of rust on concrete reinforcing rods, due to various factors, causes breakage and cracking. The visible rods are exposed to rapid corrosion which causes the concrete to deteriorate quickly, compromising the stability of the structure.

Aumentare l'adesione di malte cementizie e getti in calcestruzzo su tutti i supporti cementizi.

SOLUTION

It is important to clean the rods down to the good iron, to prepare the surfaces to be refurbished and to passivate the exposed rods in order to create the correct protective alkaline conditions. Avoid using aggressive rust converters containing acids or phosphates which can damage the rods.

STRATO 4900 contains styrene-butadiene copolymer dispersed in water with corrosion inhibitors, resistant to saponification and to water.



APPLICATION FIELDS

STRATO 4900 is used to passivate reinforcing rods with cement grout and as a latex additive in shrink resistant cement mortar mixes in all of those cases in which the supports present adhesion difficulties.

It is used also to promote adhesion for casts laid at different times.

ADVANTAGES

- Improves adhesion to various supports.
- Optimal passivating characteristics for reinforcing rods.
- Improves impermeability.

METHOD OF USE

• SURFACE PREPARATION

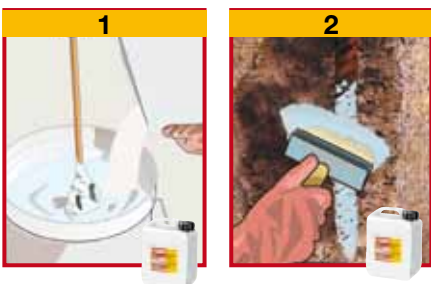
The support must be solid, free from grout, oils, release agents, grease, loose parts and rust. The rods must be cleaned down to the good iron.

• MIX PREPARATION AND APPLICATION

To use the product for passivating iron rods, add a quantity of cement to **STRATO 4900** in order to obtain a consistency which lets the product be applied by brush (1).

To improve the adhesion of mortar for repairs, dilute **STRATO 4900** with water to a ratio of 1 : 1.

The reinforcing rods are passivated with grout made from **STRATO 4900** and cement, immediately after cleaning down to the good metal.



COVERAGE

Circa 200 gr/m (su tondino).

PRECAUTIONS

- Do not use **STRATO 4900** undiluted as a primer or an adhesion bridge, always add cement or mortar.
- Use **STRATO 4900** between +5°C and +40°C.
- Store the product at a temperature higher than +5°C.
- The product is ruined by frost.

TECHNICAL CHARACTERISTICS

STRATO 4900

Class and typology (EN 1504-7)	
Aspect	liquid
Colour	light blue
Apparent volume mass	1,00 kg/liter
pH	8,5-9
pH of mix with cement	approx 12
Solid content	30%
Waiting time before reinstatement with mortar at 20°C (*)	approx 8 hours
Corrosion resistance (EN 15183)	specification passed
Bar pull-out resistance (EN 15184)	specification passed
Adhesion bond (EN 1542)	>2,5 MPa
Vitreous transition temperature (EN 12614)	TG 14°C
Application temperature	min +5°C ÷ max +35°C
Store in original packaging in a dry place	12 months

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s.

(*) The times indicated will be longer or shorter as the temperature drops or rises.

STRATO 4900 complies with the principles defined in **EN 1504-7** (general principles for the use of products and systems).

Fig. the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

SAFETY REGULATIONS

- When mixing the product wear a suitable mask to protect the respiratory tract.
- Protect hands and eyes with gloves and goggles.
- If the product comes into contact with the eyes, wash immediately with abundant water.
- Keep the product out of the reach of children.

PACKAGING

STRATO 4900
 20-kg Pail.
 5-kg Can.
 1-kg Bottle in box with 12 bottles

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX S.p.A at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Consider

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE
 • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS

index
 Construction Systems and Products

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