

PRODUCT DESCRIPTION

SCI™ is a single component, clear and surface-applied corrosion inhibitor designed to be applied on reinforcing rods to prevent rust formation in reinforced concrete and preserve embedded steel reinforcing bars.

PRODUCT FEATURES

- Reduces corrosion in carbonated reinforced concrete
- Migrates to surrounding concrete, reduces effect of anodic corrosion
- Safe to use: water-based and nonflammable, organic and environmentally friendly
- Easy to apply: does not require removal of good quality concrete
- effective in high humidity conditions

PRODUCT USES

SCI™ is particularly suited for the protection of:

- Concrete bridges and highways
- Car parks
- Tunnels and other underground structures
- Marine structures

HOW TO USE

SURFACE PREPARATION

The concrete must be preferably dry, sound and free of any loose material, dust or other contaminants such as grime, mould oil, grease, etc.

Concrete substrates must be prepared by grit blasting if a levelling mortar is to be applied later. It is essential that the rods are completely cleaned from rust before the treatment. Sandblasting is recommended to clean the rods down to metal.

MIXING:

SCI™ is a ready to use product. Do not mix or add anything in to the material.

APPLICATION:

SCI™ is applied by spray, roller or brush onto the entire surface of prepared concrete.

Applying about two coats of SCI™ is recommended.

The second coat can be applied approximately 2 hours after the application of the first coat and preferably within 24 hours. It is recommended to completely cover the surfaces of the rods in a homogeneous coat.



Surface Applied Corrosion Inhibitor- SCI™

glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

STORAGE

Store in a cool dry place. Shelf life of unopened containers in correct storage conditions is at least 12 months.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.

TECHNICAL DATA

Chemical Base	100 % Silane
Color	Clear
Density (23 °C)	0.88 g/cm ³
Viscosity (23 °C)	0.95 mPa.s
Application temperature	Minimum + 5°C; maximum + 40°C
Pot life of mix	approximately 1 hour

HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling mortar to avoid skin irritation. Safety