



# ENIROOF SPR®

High quality waterproofing membrane

## DESCRIPTION

ENIROOF SPR® is a special synthetic resin based waterproof coating. Due to its excellent flexibility and thixotropic nature it is an ideal product for vertical and horizontal surfaces. It is a single pack, very economical and pollution free waterproof coating. Because of its white colour it has excellent solar insulation capacity.

## ADVANTAGES

- Life and durability of the structure is increased.
- Easy application.
- No mixing or heating required.
- Lightweight compared to conventional roofing systems, thereby loading on the roofs is reduced. Provides seamless and joint free seal through out the surface. Lower labour cost due to easy, simple and quick application, leading to early completion and time saving.
- Provides insulation due to solar reflection.
- Excellent bonding to most building material.

## RECOMMENDED USES

- Waterproofing cum insulation of roof slabs, terraces, balconies, sun shades, parapet walls, etc. It provides additional waterproofing and protection when used as base and/or intermediate coat in brickbat coba and / or IPS flooring.
- Waterproofing cum decorating of external plastered walls.
- Waterproofing of new surfaces as well as for repair of old surfaces, whether previously treated or not.
- Suitable for horizontal and vertical walls.
- For terrace gardens, swimming pools and basements, sandwich application is recommended. For details refer our technical department.
- ENIROOF SPR® is optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets, etc.

## COVERAGE

Coverage depends upon the nature of the surface to be treated. But on an average smooth surface would give coverage of 8-10 sqmt./kg/coat For Primer Coat. For final coat it will be 4-6 Sqmtr/kg/coat. Two coats will give appx.500-600 microns dry film thickness.

## TECHNICAL DETAILS

Base appearance	: Single component, Special synthetic resin based
Color	: White
Consistency	: Paste like, thixotropic
Solid content	: 65 % <b>(ASTM C-836 &amp; C-898)</b>
Viscosity	: Viscous
Elongation at break	: Appx. 350% <b>(ASTM D-2370)</b>
Cured film	:Flexible, elastic and tough.
Touch dry	: Appx. 2 hours
Hardening time	: Appx. 48 hours (at 20 deg. and 50% relative humidity )
Tensile strength	: 4 newton/sq.mt.
Permeability	: 1.8 gms/ sq. mt. / 24 hours
Bend strength	:1/16 <sup>th</sup> in cylindrical mandrel test.
Bond strength	: 60 psi
Flash point	: Non inflammable
Water tightness	: Excellent
Chemical resistance	: Good
Insulation properties	: Good
Roof proofing	: Excellent
Solar reflection	: Excellent

## SURFACE PREPARATION

Concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The final step of cleaning should be complete removal of all residues with a vacuum cleaner or by pressure washing. In case of metal surfaces, remove rust and contamination for better protection. Apply primer coat of ENIROOF SPR®, diluting 1 kg ENIROOF SPR® with 2-lt water, by brush, roller or spray.

## METHOD OF APPLICATION

After the primer coat is completely dried apply two coats of ENIROOF SPR®. It is recommended to apply the 2<sup>nd</sup> coat after the 1<sup>st</sup> coat is totally cured. For better results use GLASS FIBRE REINFORCEMENT embedded into 1<sup>st</sup> coat of ENIROOF SPR® while still wet. ENIROOF SPR® could be diluted up till 15 – 25 % for 1<sup>st</sup> coat and 10 – 15 % for 2<sup>nd</sup> coat to make material workable and get the desired coverage. All brushes and tools should be cleaned by water immediately after use.

## PACKING

ENIROOF SPR® is available in 1 gallon, 20 kg pails and 200 kg plastic drums.

## SAFETY

ENIROOF SPR® is safe, non-toxic, and eco-friendly and presents no health hazard. ENIROOF SPR® is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

*INHALATION:* Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency

*EYE CONTACT:* Flush eyes with water for 15 minutes and call for medical help.

*INGESTION:* causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce

*SKIN CONTACT:* Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

## STORAGE

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30°C.

Technical Support:



& Polymertech UK Ltd.  
CN-07468396  
United Kingdom

**NOTE:-** We make no warranty either expressed or implied or statutory in this document except as expressly stated in any sale and purchase agreement entered into between the buyer and us. This document is a technical data information sheet. The information given in this sheet is to the best of our knowledge, true and accurate. However buyers are requested to confirm the same in their laboratories as test results may vary between two laboratories due to change in test conditions, purity of chemicals and personal error of chemists. Under the above conditions we are not liable for special, incidental or consequential damage.

**For further assistance kindly mail us :** [support@starcoating.in](mailto:support@starcoating.in)

**Marketed By:**



**Star Coatings & Membranes Pvt. Ltd.**

New Delhi-110025, visit us at : [www.starcoating.in](http://www.starcoating.in), E-mail: [info@starcoating.in](mailto:info@starcoating.in)



(ISO 9001:2000)