

# **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 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.

**DIRECTIONS FOR USE:**

**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 **SPR** with 2-lt water, by brush, roller or spray. 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.

**COVERAGE:**

Coverage depends upon the nature of the surface to be treated. But on an average smooth surface would give coverage of 4 sqmt. Per coat. Two coats will give appx.500-600 microns dry film thickness.

**SAFETY:**

Non – hazardous if ingested, seek medical advice.

**STORAGE:**

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30 deg.cent.

**PACKING:**

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

**NOTE:** All information is given in good faith on the results gained from experience and tests. However all recommendations of suggestion are made without guarantee since we do not have any control on the site conditions and its uses.

## **TECHNICAL INFORMATION:**

### **ENIROOF SPR**

(HIGH QUALITY WATER PROOF MEMBRANE)

#### **SPECIFICATION:**

Base appearance	: Single component, Special synthetic resin based
Color	: White
Consistency	: Paste like, thixotropic
Solid content	: 65 %
Viscosity	: Viscous
Elongation at break	: Appx. 350%
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