

POLYSEAL – 0724

(WATER PROOFING COATING FOR WET AREAS)

PRODUCT DESCRIPTION

POLYSEAL-0724 is an Environment Friendly, Sustainable, High-Performance Coating using water based Patented Grafted Co-Polymer Technology.

POLYSEAL-0724 is a green formulation specifically designed for use as a waterproofing system to prevent leakages from wet areas like Water tanks, Toilet blocks, Swimming pools and Water bodies . When combined with membrane, it effectively prevents leakages from Roofs and Basement areas.

PRODUCT HIGHLIGHTS

- Single Pack System
- Quick drying at Ambient Temperature
- Excellent Water Repellency & Impermeability to Moisture
- Tough & Abrasion Resistant- No damage to Coating during Construction Activities
- Deep Penetrating- Seals Porosities and Hairline Cracks to make the Surface Completely Water-tight.
- Anti- Efflorescence- Prevents Salt Migration & Water Oozing on Interior Wall Surfaces

GREEN FEATURES

- Zero VOC
- No Odour
- No Fumes
- Non-Toxic- RoHS Compliant

APPLICATION SUBSTRATES

- Concrete
- Fibre/ Plastic
- Wood

SURFACE PREPARATION

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

FILM THICKNESS & SPREAD RATE

Film Thickness	-	45 – 50 Microns/ Coat
Theoretical Spreading Rate	-	10 m ² per Kg/Coat



CURING TIME

Substrate Temperature	-10°C	0°C	10°C	23°C	40°C
Touch Dry (Minutes)	60	50	40	30	15
Dryness for Recoating (Minutes)	60	60	60	30	30
Hard Dry / Complete Cure	24 Hours				

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with good ventilation (outdoor exposure or free circulation of air)

APPLICATION METHODS

Spray - Use Airless Spray or Air Assisted Spray.

Brush - Care must be taken to achieve the specified Dry Film Thickness.

Roller - Care must be taken to apply sufficient material in order to achieve the specified Dry Film Thickness.

APPLICATION DATA

Mixing Ratio - Single Pack System, Ready to Use

Pot Life - Not Applicable

APPLICATION GUIDELINES (AIRLESS SPRAY)

Pressure at Nozzle - 15 MPa (150 kg/cm², 2100 psi)

Nozzle Tip - 0.43-0.79 mm (0.017-0.031")

Spray Angle - 40-80°

*Filter Check to ensure that filters are clean.

APPLICATION PROCEDURE

- i) Open the lid and stir contents slowly.
- ii) Do not mix Water or Solvent in the coating.
- iii) Open and seal visible cracks with Polymer Sealant
- iv) Apply first coat on well prepared surface uniformly to build DFT of 45 to 50 Microns.
- v) Allow to dry for 30 minutes & ensure surface is tack free
- vi) Apply second coat to build total DFT of 90 to 100 Microns.



TEST PARAMETERS

SR.NO.	PERFORMANCE TEST	ASTM STD	RESULT
1.	Scratch Resistance Hardness (3.2 Kg)	D-7027	No exposure of Metal Substrate Passes the Test
2.	Flexibility Test (Conical Mandrel) (3mm)	D - 522	No Film Cracking/ Crazing
3.	Pull Off Adhesion	D-4541	5.5 MPa
4.	% Elongation Tensile Strength MPa	D-638	530.5 5.82
5.	Water Vapour Permeability	D-1653-13	9 gms / m ² / 24 Hrs

PACKING

5/10/20 Kg Plastic Pails

AVAILABILITY

Available through a network of Distributors / Channel Partners throughout the world for prompt delivery to customers.

TECHNICAL ASSISTANCE

Complete technical assistance is available and includes fully trained technical service personnel.

HEALTH AND SAFETY

Prior to start of use of this material, please read the Material Safety Data Sheet (MSDS)

WARRANTY






GSCPL guarantees that the products are carefully manufactured to ensure the highest quality and are tested strictly in accordance with acceptable standards.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

Issued on 03/02/2021 (February 3, 2021) by Greenovoc Specialty Coatings Pvt. Ltd.

This Data Sheet supersedes those previously issued.

 Green Coating Technology	 VOC Free	 No Odour	 No Fumes	 Environment Friendly
-----------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------

