

## INTERGRANDE- 0720

### (ANTI-BACTERIAL & ANTI-VIRAL INTERIOR COATING)

#### PRODUCT DESCRIPTION

**INTERGRANDE - 0720** is an Environment Friendly, Sustainable, High-Performance Coating using water based Patented Grafted Co-Polymer Technology.

**INTERGRANDE -0720** is an effective and long lasting solution for protecting surfaces from adverse bacterial activities especially against Staphylococcus aureus and E. coli and most common fungi like Aspergillus niger, Penicillium sp. Gliocladium sp. Additionally, it is has anti-viral properties. Along with other performance properties it gives superior aesthetic finish.

**INTERGRANDE - 0720** is a result of the Advanced Grafted Copolymer Molecule which is the company's Patented Technology. The sharp Advanced Grafted Copolymer Molecules in the thin film polymer coating tear open the cell walls of the micro-organisms destroying them and rendering them harmless.

#### PRODUCT HIGHLIGHTS

- Anti-Bacterial, Anti-Fungi, Anti-Virus
- No added Anti-Bacterial Additives
- No Leaching & Trans-Dermal Absorption
- Excellent Water Repellency & Moisture Resistance
- Superior Scratch Resistant Properties
- Excellent Retention of Surface Properties & Enhanced Life Cycle Performance
- No Dirt Pick-up
- 100% washable with Water, Detergents & other Industrial Cleaning Agents
- Non-Hazardous, Non-Toxic, Zero VOC Green Coating Formulation Greenovoc

#### GREEN FEATURES

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

#### APPLICATION SUBSTRATES

- Concrete
- Ferrous & Non-Ferrous Metals
- Fibre/ Plastic
- Wood
- Glass
- Gypsum
- Plaster of Paris

#### SURFACE PREPARATION

All surfaces should be clean, dry, smooth and free from contamination.



### FILM THICKNESS & SPREAD RATE

Film Thickness	-	50 Microns/ Coat
Theoretical Spreading Rate	-	11m <sup>2</sup> 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 and 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/cm<sup>2</sup>, 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.

### TEST PARAMETERS

SR.NO.	PERFORMANCE TEST	TEST STD	RESULT
1.	Anti-Bacterial / Organism Property against Various Organisms	AATCC TM 100 - 2012	> 99.9% Reduction of Organisms/ Bacteria
2.	Anti-Fungal Properties	ASTM G21-2015	Growth Rate Rating - 0
3.	Overall Migration	IS:9845:1998	NIL



## APPLICATION PROCEDURE

- i) Open the lid and stir contents slowly.
- ii) Do not mix Water or Solvent in the coating.
- iii) Prepare surface by sanding using suitable tools to make it free from loose particles and foreign deposits.
- iv) Apply first coat on well prepared surface uniformly to build DFT of 45 to 50 Microns.
- v) Allow to dry for 30 minutes.
- vi) Apply second coat uniformly to get desired aesthetic finish.

## 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 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
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