

AQUACOAT E ANTIBACTERIAL

WATER-BASED CATALYZED EPOXY TOPCOAT

Technical Data Sheet

| | SPECIFICATIONS | TESTING METHODS | | |
|---------------------------------------|---------------------------------|-----------------------|--------|--------------|
| | | NOM or NMX | ASTM | ISO |
| Number of Components | 2 | -- | -- | -- |
| Mix Ratio | 4:1 | -- | -- | -- |
| Thinner | Water | -- | -- | -- |
| Theoretical Yield (at 1 mils) | 16 m ² /L minimum | -- | -- | -- |
| Topcoat | Semi-Bright | -- | -- | -- |
| Adherence | 5B | NMX-U-065-SCFI-2011 | D-3359 | -- |
| No. of Layers | 2 | -- | -- | -- |
| Recommended Dry Thickness Per Coat | 1.0 – 2.0 mils | -- | -- | -- |
| Recommended Wet Thickness Per Coat | 2.0 – 4.0 mils | -- | D-4414 | 2366 2808 |
| Density (mixture) at 25°C (77°F) | 1.240 g/cm ³ minimum | NMX-C-454-ONNCCE-2007 | D-1475 | 2811-1 |
| Viscosity (Brookfield) at 25°C (77°F) | 600 – 1,200 centipoise | NMX-U-038-SCFI-2012 | D-2196 | -- |
| COV's, (VOC's) | 80 g/L maximum | NOM-123-ECOL-1998 | D-3960 | 17895 |
| Fineness or Fineness (Hegman Unit) | 6 Hours | NMX-C-456-ONNCCE-2007 | D-1210 | 1524 |
| Time to dry to touch at 25°C (77°F) | 30 minutes maximum | NMX-C-427-ONNCCE-2003 | D-1640 | 9117-1 |
| Time to dry to hard at 25°C (77°F) | 24 hours maximum | NMX-C-427-ONNCCE-2003 | D-1640 | 9117-1 |
| Curing time at 25°C (77°F) | 7 days | NMX-C-427-ONNCCE-2003 | D-1640 | 9117-1 |
| Solids by weight of the mixture | 52.00% minimum | NMX-C-425-ONNCCE-2003 | D-2369 | 3251 |
| Solids in volumen of the mixture | 40.00% minimum | NMX-C-425-ONNCCE-2003 | D-2697 | 3233 |
| Mix Life | 4 hours | -- | -- | -- |

Characteristics

Two-component water-based coating made with epoxy resins with excellent adhesion on concrete and metals.

It is a product that provides a hard semi-gloss topcoat with high chemical resistance to detergents and sanitizers, resistant to the growth of algae, fungi and bacteria.

AQUACOAT E ANTIBACTERIAL has the great advantage of being a totally environmentally friendly product since it does not contain solvents within its formulation. It has a low VOC and allows its application in closed areas without problems derived from the dangerous concentration of solvents.

Uses

This coating is recommended to be used as a topcoat or maintenance on walls, floors and ceilings in the food, pharmaceutical, hospitals and bottling industries.

As well as in tanks, pipes and metal structures where the use of solvents is restricted.



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Systems

| System | Description |
|--------|--|
| 1 | AQUACOAT EP EPOXY + AQUACOAT E ANTIBACTERIAL |
| 2 | SELLALAC E EPOXY + AQUACOAT E ANTIBACTERIAL |

Surface Preparation

The substrate on which it is going to be applied must be completely clean and dry, free of dust, grease and/or oil. The presence of any of the previous contaminants may cause poor adhesion of the coating. The product should not be applied under any circumstances when the surface temperature is greater than 50°C.

Application

For spraying application should be done at 30 cm distance from substrate to obtain specified film thickness. The application should be done in open and ventilated spaces. The coating should not be applied when the ambient temperature is below 10°C (283K) or above 43°C (316K). Apply at relative humidity less than 85%.

Colors

White. Others, consult area.

| Chemical Agent | CHEMICAL RESISTANCE | | TESTING METHOD |
|----------------|---------------------|---------------------|----------------|
| | Fumes and Vapors | Spills and Splashes | |
| Acids | Excellent | Okay | ASTM G-20 |
| Alkalis | Excellent | Okay | ASTM G-20 |
| Solvents | Okay | Occasional Contact | ASTM G-20 |
| Salts | Excellent | Excellent | ASTM G-20 |
| Water | Excellent | Excellent | ASTM G-20 |

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Application Equipment

Airless Spray ⁽¹⁾

| Gun | Bomb |
|--------------------------|--------------|
| De VilBiss model JGA-507 | Qfa 514 32:1 |

⁽¹⁾ Use a nozzle with a 13 to 17 mil inside diameter orifice (I.D.)

Sprinkling With Conventional Equipment ⁽²⁾

| Gun | Nozzle | Tip |
|--------------------------|--------|-----|
| De VilBiss model JGA-510 | EX | 704 |

⁽²⁾ Use 3/8-inch inner diameter hose (I.D.)

Brush Application

Brush (for touch-ups only)

Roller Application

Roller

* For cleaning used application equipment use water.

Mix Ratio According to Equipment Used

| Equipment | Solvent |
|---------------------------------|---------------------------|
| Airless spray | Use 5 - 10% of water. |
| Conventional Spraying Equipment | Use 10 - 20% of water. |
| Brush or Roller Application | Use maximum 10% of water. |

* For the calculation of materials consider 10-30% shrinkage depending on the state of the surface and the application conditions.

Storage Conditions

Closed lid containers, under roof and a temperature no more than 40°C (104°F) and no more than 80% relative humidity.

Driving Safety

Its application must be in well-ventilated places. When applying consult and follow the safety regulations indicated in the products's safety sheet.



Observations

We guarantee the quality of our products according to the general sales and application guidelines of our technical use method advice, verbally expressed, written and scenarios. Where we conducted as part of our research, therefore we suggest you conduct your own lab and field test. The application and the terms of how you use our products are out of reach of our control; therefore, you are responsible for any results. For more information call our technical advisers in Mexico 5650 5089, 5650 5238 and 5657 2784.