

SPECIFICATIONS	TESTING METHODS		
	NOM or NMX	ASTM	ISO
Number of Components	2	--	--
Mix Ratio	4:1	--	--
Thinner	Water	--	--
Theoretical Yield (at 1 mils)	17 m ² /L minimum	--	--
Topcoat	Bright	--	--
Adherence	5B	NMX-U-065-SCFI-2011	D-3359
No. of Layers	1	--	--
Recommended Dry Thickness Per Coat	2.0 – 4.0 mils.	--	--
Recommended Wet Thickness Per Coat	4.0 – 8.0 mils.	--	D-4138 2366 2808
Saline Chamber (in system)	2000 hours minimum	--	B-117 9227
Density (mixture) at 25°C (77°F)	1.25 g/cm ³ minimum	NMX-C-454-ONNCCE-2007	D-1475 2811-1
Viscosity (Brookfield) at 25°C (77°F)	10,000 – 13,000	NMX-U-038-SCFI-2012	D-2196 --
Accelerated Weathering	N/A	--	G-23 11507
COV's, (VOC's)	< 50 g/L	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)	100 minutes maximum	NMX-C-427-ONNCCE-2003	D-1640 9117-1
Time to dry to hard at 25°C (77°F)	48 hours maximum	NMX-C-427-ONNCCE-2003	D-1640 9117-1
Full curing time at 25°C (77°F)	7 days	NMX-C-427-ONNCCE-2003	D-1640 9117-1
Solids by weight of the mixture	56.00% minimum	NMX-C-425-ONNCCE-2003	D-2369 3251
Solids in volumen of the mixture	43.00% minimum	NMX-C-425-ONNCCE-2003	D-2697 3233
Mix Life @ 25 C (77°F)	2 hours	--	-- --

Characteristics

Water-based coating made with two component polyurethane-type resins with excellent adhesion on concrete and metals. It is a product that provides a shiny, hard topcoat with high chemical resistance to detergents and sanitizers resistant to bacterial growth and with anti-graffiti properties.

AQUACOAT U 2K has the great advantage of being a totally environmentally friendly product since it does not contain solvents in its formulation. It has a low VOC and allows its application in closed áreas 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.



AQUACOAT U 2K

WATER-BASED CATALYZED POLYURETHANE TOPCOAT



Systems

System	Description
1	AQUACOAT E AP + AQUACOAT U 2K
2	GALVANOX VI AQUA + AQUACOAT U 2K

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 mentioned 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 (122°F).

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 apply when the environment temperature is inferior to 277 K (4°C) (39.2°F) or superior to 316 K (43°C) (109.4°F). Apply at relative humidity less than 85%.

Colors

White. Others, consult technical area.

CHEMICAL RESISTANCE			TESTING METHOD
Chemical Agent	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



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 (only for minor touch-ups)

Roller Application

Rodillo

*To clean the used application equipment use water. If the product is already dry use acetone.

Mix Ratio According to Equipment Used

Equipment	Solvent
Airless spray	Use 5 - 10% of water.
Conventional Spraying Equipment	Use 15 - 20% of water.
Brush or Roller Application	Use maximum of 20% of water.

* For the calculation of materials consider 10-20% 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 product'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.