

UVolve® Clarity Matte System

UVolve® Instant Floor Coatings are a fast, high-performance and eco-friendly floor coating solution for a variety of facilities. The UVolve® Clarity Matte System is our high performance clear system with a matte finish.

UVOLVE® MATTE TOPCOAT 1453		
PROPERTY	METHOD	RESULT
Coverage Rates	-	800 ft ² /gal
Recommended Film Thickness	-	2 mils
Solids	-	100% Wt.
VOC Content	ASTM D5403 Part A	Near zero
Viscosity (#4 Zahn Cup)	ASTM D4212	49 sec
Specific Gravity	-	1.10
Appearance	Visual	Milky White
MEK Resistance	ASTM D5402	>200 Double Rubs
Permeability to Water Vapor* (g/m ² ·24h·mmHg)	ASTM D1653 Method A	0.4
Linear Coefficient of Thermal Expansion (/°C x 10 ⁻⁴)	Internal Method	1.6 (40°C); 1.1 (0°C)
Pencil Hardness	ASTM D3363	2H
60° Gloss	ASTM D523-08	10 - 20
Intercoat Adhesion (to UVolve® Primer 1204)	ASTM D3359	100%
Coefficient of Friction (James Machine)	ASTM D2047-04	0.7
Abrasion Resistance (1000 cycles, C17, 1000 g)	ASTM D4060	30 mg

* Based on 3 mil film.

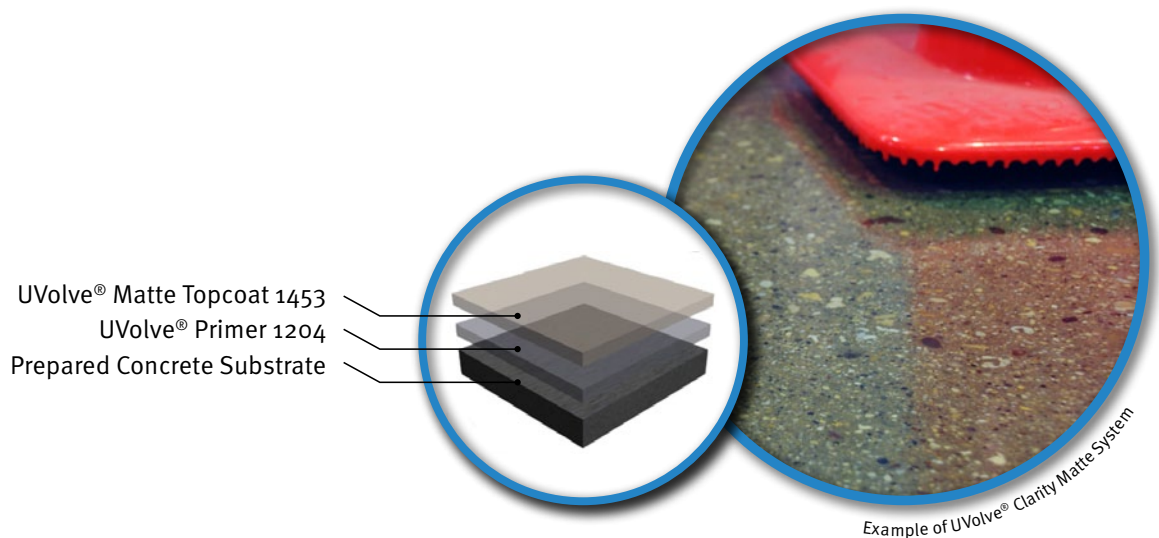
UVOLVE® PRIMER 1204		
PROPERTY	METHOD	RESULT
Coverage Rates	-	200 ft ² /gal
Recommended Film Thickness	-	8 mils
Solids	-	100% Wt.
VOC Content	ASTM D5403	Near zero
Viscosity(#4 Zahn Cup)	ASTM D4212	52 sec
Specific Gravity	ASTM D1475	1.13
Appearance	Visual	Slightly hazy
Intercoat Adhesion (over itself or to properly applied and cured UVolve® color coatings and topcoat)	ASTM D3359	100%
Permeability to Water Vapor* (g/m ² ·24h·mmHg)	ASTM D1653 Method A	0.3
Linear Coefficient of Thermal Expansion (/°C x 10 ⁻⁴)	Internal Method	1.7 (40°C); 1.1 (0°C)
Adhesion to concrete (lb/in ²)	ASTM D4541	> 600 (concrete failure)

* Based on 3 mil film.

CHEMICAL	24 HOURS	7 DAYS
SOLVENTS & INDUSTRIAL CHEMICALS		
Brake Fluid	Excellent	Excellent
Motor Oil	Excellent	Excellent
Anti-Freeze	Excellent	Excellent
Mineral Spirits	Excellent	Excellent
Gasoline	Excellent	Excellent
Toluene	Excellent	Excellent
Skydrol	Excellent	Excellent
Bleach	Excellent	Excellent
Ethanol	Excellent	Excellent
Methanol	Excellent	Excellent
Acetone	Excellent	Excellent
Isopropanol	Excellent	Excellent
Mineral Oil	Excellent	Excellent
PM Acetate	Excellent	Excellent
ALKALINES		
Salt Water (5%)	Excellent	Excellent
Potassium Hydroxide (50%)	Excellent	Poor
Sodium Hydroxide (50%)	Excellent	Poor

CHEMICAL	24 HOURS	7 DAYS
COMMON PRODUCTS & STAINS		
Laundry Detergent	Excellent	Excellent
Tomato Sauce	Excellent	Excellent
Mustard	Excellent	Excellent
Grape Juice	Excellent	Excellent
Coffee	Excellent	Excellent
Iodine	Excellent	Excellent
ACIDS		
Hydrochloric Acid (35%)	Excellent	Excellent
Acetic Acid (25%)	Excellent	Good
Sulfuric Acid (37%)	Excellent	Excellent
Nitric Acid (70%)	Fair	Fair
Citric Acid (70%)	Excellent	Excellent
Formic Acid (98%)	Poor	Poor
Perchloric Acid (35%)	Good	Good

*Chemical Resistance was tested according to ASTM D1308.



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