

UVolve® Clarity High Gloss System

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

UVOLVE® HIGH GLOSS TOPCOAT 1413		
PROPERTY	METHOD	RESULT
Coverage Rates	-	400 ft ² /gal
Recommended Film Thickness	-	4 mils
Solids	-	100% Wt.
VOC Content	ASTM D5403	Near zero
Viscosity (#3 Zahn Cup)	ASTM D4212	21 sec
Specific Gravity	ASTM D1475	1.12
Appearance	Visual	Clear
MEK Resistance	ASTM D5402	>200 Double Rubs
Permeability to Water Vapor* (g/m ² ·24h·mmHg)	ASTM D1653 Method A	0.5
Linear Coefficient of Thermal Expansion (/°C x 10 ⁻⁴)	Internal Method	1.5 (40°C); 1.1 (0°C)
Pencil Hardness	ASTM D3363	H
60° Gloss	ASTM D523-08	90
Intercoat Adhesion (to UVolve® Primer 1204)	ASTM D3359	100%
Coefficient of Friction (James Machine)	ASTM D2047- 04	0.6
Abrasion Resistance (1000 cycles, C17, 1000 g)	ASTM D4060	30 - 40 mg

* Based on 3 mil film.

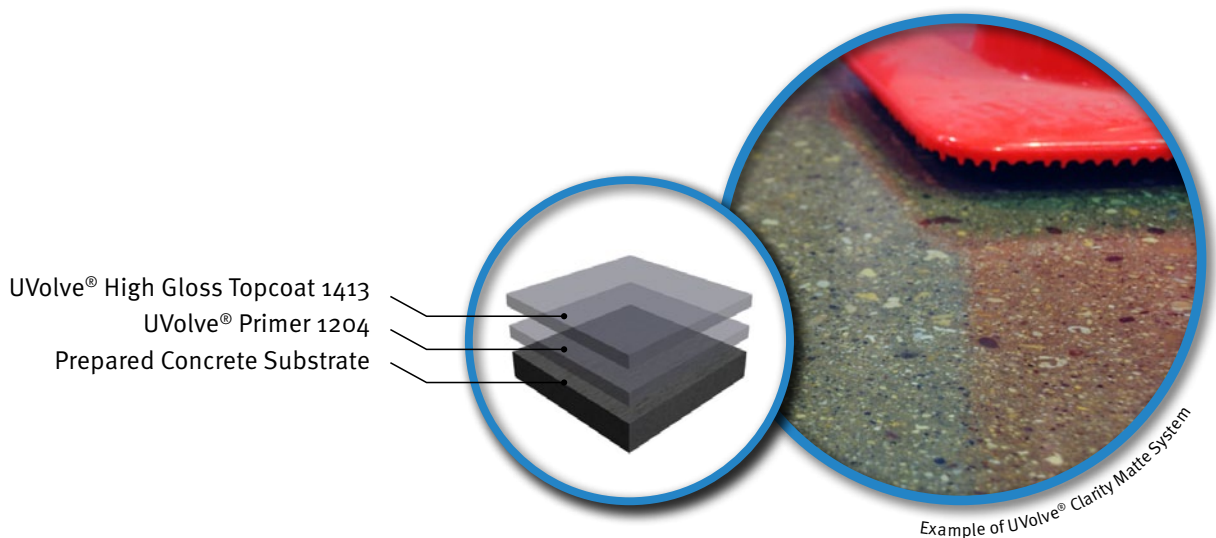
UVOLVE® PRIMER 1204		
PROPERTY	METHOD	RESULT
Coverage Rates	-	200 ft ² /gal
Recommended Film Thickness	-	8 mils
Solids	-	100% Wt.
VOC Content	ASTM D5403	Near zero
Viscosity(#4 Zahn Cup)	ASTM D4212	52 sec
Specific Gravity	ASTM D1475	1.13
Appearance	Visual	Slightly hazy
Intercoat Adhesion (over itself 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	Excellent
Sodium Hydroxide (50%)	Excellent	Excellent

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

*Chemical Resistance was tested according to ASTM D1308.



**DSM Functional Materials
Floor Coatings Group**

in North America

1122 St. Charles Street
Elgin, Illinois 60120
USA
Phone: +1.866.394.4858
Email: info.floorcoatings@dsm.com

in Europe

Slachthuisweg 30
3150 XN Hoek van Holland
The Netherlands
Phone: +31.174.315.379
Email: info.floorcoatings@dsm.com

Visit us online at www.UVolveCoatings.com

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