

PRODUCT DATA SHEET

1. PRODUCT DESCRIPTION

Omni UV™ is an all-purpose, 100% solids spray applied elastomeric protective coating formulated with UV resistant materials, providing enhanced long-term color stability. Omni UV offers a highly versatile balance of physical and mechanical properties including flexibility, impact strength, and abrasion resistance. Omni UV is a urethane hybrid system that contains zero VOCs and exhibits excellent adhesion to wood, metal, and concrete substrates.

UNIQUE PROPERTIES

Moisture Sensitivity Reduction: Omni UV uses polyurea-urethane hybrid chemistry. Polyurea chemistry reduces moisture blowing during cure; this means better performance and long-term wear properties.

High Physical Properties: Omni UV produces a tough membrane with excellent low temperature flexibility and high tensile strength. Substrates coated with these systems have excellent chemical resistance and abrasion properties.

Easy Application: Use of polyurea chemistry allows Omni UV to be applied in lower ambient temperatures and higher relative humidity conditions than other urethane coatings. These systems can be applied in ambient temperatures down to 45° F and in relative humidity up to 85% without adverse environmental effects.

VOC Free: 100% solid and fast cure produces a high build membrane in seconds. Omni UV has over 25+ years of proven field performance as the ultimate maintenance coating.

2. PHYSICAL PROPERTIES

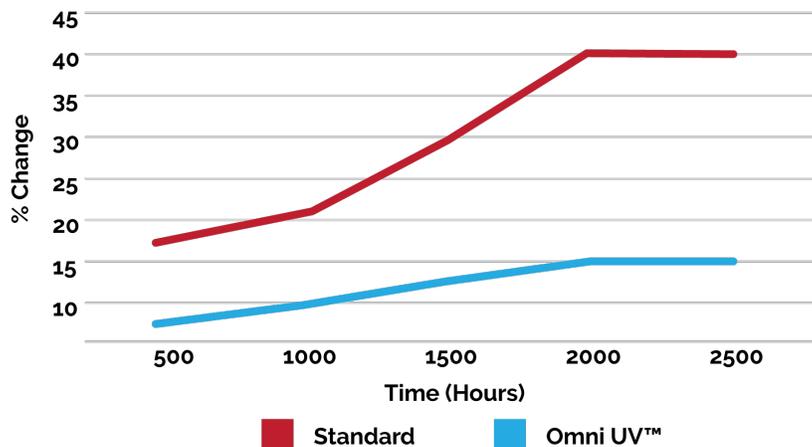
Durometer Hardness (Shore D), <i>ASTM D-2240</i>	90 - 100
Density (pcf), <i>ASTM D-1622</i>	69
Tensile Strength (psi), <i>ASTM D-2370</i>	2000 psi minimum
Abrasion Resistance, taber, <i>ASTM D4060</i>	0.3% / 1000 cycles
Elongation, <i>ASTM D-2370</i>	120% minimum
Tear Strength (pli), <i>ASTM D-1004</i>	300 pli minimum
Solids Content	100%

3. PRODUCT APPLICATION PARAMETERS

PROPERTY	TEST METHOD	"A" SIDE	"B" SIDE
Specific Gravity	ASTM D-1638	1.17	1.03
Viscosity	Brookfield LVF	450 cps +100	650 cps +100
Mixing Ratio	By Volume	1	1
Mixing Ratio	By Volume	53	47
Pounds per Gallon	From Specific Gravity	9.6	8.6
Temp. @ Spray Gun	n/a	145°F	145°F
Gel Time	String	7 seconds	
Dry to Touch	Touch	10-15 seconds	
Total Cure	n/a	24 hours	
Working Temperature Range		-40°F - 180°F	
Relative Humidity		MAX 85%	

4. COLOR RETENTION

Omni UV™ offers improved color retention and protection from the sun utilizing the highest grade of pigments and additives. In addition, the ultra-violet protectants in the system improves color retention by protecting the polymer resin from both UV light and harmful oxidation; it extends color retention of the finished product up to (3) three times as long as current industrial standards (refer to graph below). It has less potential to chalk on the surface of the finished product thus increasing the aesthetic desired by end customers.



5. STORAGE & USE

Filled and pigmented resins will separate upon storage. Premix the B-component prior to use each day.

Urethane resins are sensitive to moisture and must be kept dry at all times. It is recommended that a nitrogen blanket be applied to open drums in use.

Keep materials tightly sealed in a dry environment, stored between 70° F to 90° F.

Omni UV components are temperature sensitive and will freeze. If the components freeze, they can be heated to 100° F and remixed prior to use. Storage of the A-component below 55° F will lead to reduced product performance.

WARNING: Do not reseal isocyanate drums if exposed to moisture as pressure may develop and rupture the drum. See SDS and labels for more information.

6. DISCLAIMER

The data presented herein is not intended for use by nonprofessional applicators, or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent test in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

7. TECHNICAL SUPPORT SERVICES

Technical Services, Sales, and Customer Support: (713) 854-4858

Emergency Notifications: Chemtrec: Material Leaks, Spills or Fire -- (800) 424-9300

8. WARRANTY

Phoenix MCBS, LLC will repair or replace product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.