



eco-PROTECTIVE PRODUCTS, LLC

Technical Data Sheet

March 2009

Eco-Coat 1500

PRODUCT DESCRIPTION

Eco-Protective Products' Eco-Coat 1500 is a high solids, Zero VOC, 100% pure Aliphatic Polyaspartic Polyurea coating. This seamless system exhibits extraordinary performance characteristics when applied over rigid substrates. It has excellent color and gloss stability, even under harsh UV exposure. This coating creates an extremely tough, chemical and abuse resistant finish for a wide range of applications.

TYPICAL CHEMICAL PROPERTIES

"A" Component

Viscosity, (74° F, cps. ASTM D-1638)	35
Specific Gravity	1.07-1.09
Physical State	Liquid
Color	Water Clear

"B" Component

Viscosity, (74° F, cps. ASTM D-1638)	1250
Specific Gravity	1.07-1.09
Physical State	Liquid
Color	Clear/Light Yellow

REACTION PROFILE

Pot Life ¹ , minutes	15-30
Gel Time ¹ , minutes	70-120
Take Free Time ¹ , minutes	180-120
Return to Service - Foot Traffic, hours ¹	4-5
Return to Service - Heavy Traffic, hours ¹	12-24

RATIOS

Parts by volume
Iso "A" Component 1.0
Poly "B" Component 1.0

TYPICAL PHYSICAL PROPERTIES

Tensile strength, psi (ASTM D-638)	4500
Elongation, % (ASTM D-638)	5
Tear Strength, (ASTM D-624)	N/A
Shore D Hardness (ASTM D-2240)	65
Solids %, by volume	80
Maximum Dry Film Thickness ² , mils	20
VOC Content	<5g/L

MIXING & USE REQUIREMENTS

Measure out equal volumes of A and B and combine in a suitable container. Thoroughly mix by hand for ~2min. Ensure the sides and bottom are scraped several times during mixing. Avoid 'whipping' in air if possible.

Pour out contents, as needed, onto clean, dry and pre-primed surface. Roll, brush or squeegee to the desired thickness.

Additional Info: See application guide for further application instructions.

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1

These times will vary based on atmospheric and substrate temperature, humidity, mixing volume and film thickness. Values listed are only guides. Please perform onsite evaluation of these factors to determine correct mixing volume and critical time values.

2

Do **NOT** allow single Dry Film Thickness to exceed this value. Physical and appearance properties may be substandard (softness, color change, etc). Clear coats may become milky or opaque. For thicker coatings, allow first coat to become Tack Free then apply second coat as needed.

"Mother Nature's Preferred Paint"