

B₂C/HD is a unique 2-component water-borne polyurethane co-polymer system with proprietary anti-corrosion additives for protection of virtually every metallic surface. Extraordinarily scratch- and chemical-resistant, the exterior-suitable system produces a high-durability, high-gloss coating.

Ideal for high-use railings, elevator saddles and cabs, kick plates, doors, entryways and window frames.

B₂C/HD's chemical adhesion to metal is exceptional and flexible, far superior to typical acrylics that coat like a thin, brittle glue.

PROPERTY RESULTS ASTM METHOD

PROPERTY	RESULTS	ASTM METHOD
% Solids	46 typical	D 3960
Weight Per Gallon (in lbs)	8.87	D 1475
VOC	<230g/l	D 3960
Pot Life	~ 2 hours	NA
Recoat Time	4 - 6 hours	NA
Set to Touch	1 - 2 hours	D 1650
Print Free Time	4 - 6 hours	D 1650
Gloss (60° Specular)	78	D 523
Pencil Hardness	5H	D 3363
Direct Impact Resistance	>160 in/lbs	G 14-88
Indirect Impact Resistance	>160 in/lbs	G 14-88
Abrasion Resistance (CS-17 Disk, 1000 grams, 1000 cycles)	10 mgs loss	D 4060

Physical hardness and abrasion-resistance provide highest protection against wear and scratches, with approximately four times the durability of acrylic coatings.

Exceptional clarity and non-yellowing properties offer protection lasting several times longer than most acrylics that break down under conditions of time and exposure.

CHEMICAL RESISTANCE

10% Hydrochloric Acid	No Effect	D 1308-87
10% Sulfuric Acid	No Effect	D 1308-87
10% Ammonia	8 F Blisters	
10 minute spot test	no effect	
20 minute spot test	no effect	
30 minute spot test	slt.sftng/recovers	
Saturated Sugar Solution	No Effect	D 1308-87
Saturated Salt Solution	No Effect	D 1308-87
Cleveland Cabinet Humidity Resistance (100°F, 100%RH, 700 hrs)		
Rusting	No Effect	D610
Blistering	No Effect	D714
Salt Spray Resistance (5% NaCL, 95°, 100 hrs unscrubed)		
Rusting	No Effect	D610
Blistering	No Effect	D714
Methanol	No Effect	D 1308-87
Mineral Spirits	No Effect	D 1308-87
Gasoline	No Effect	D 1308-87
Xylene	No Effect	D 1308-87
Motor Oil	No Effect	D 1308-87
Clorox	No Effect	D 1308-87

B₂C/HD is unusually resistant to liquid/spray cleaners, acids and alkalis, UV exposure, and combustion-engine by-products. It is not broken-down by skin acids. Maintenance is easy. Recommended is RJSC's neutral, non-abrasive StoneClean™ "104" in a 1:80 dilution.

Coverage is about 80 sq.ft./pint (or about 100' of 3" diameter railing) with cloth wipe or appropriate spray over absolutely clean and wax-free metal prepared with RJSC Prep & Polish™. Precise, skilled application is required, but the end result is possibly the most durable clear sealer that can be applied to metals.

For more information on application or for technical support, contact:

RICHARD JAMES
Specialty Chemicals Corp.
24 Ridge Street
Hastings-on-Hudson, NY 10706
Phone: (914) 478-7500
Fax: (914) 478-7516
www.rjsconline.com

SUBJECT TO RJSC MSDS and LIMITED WARRANTY.

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