



ABATRON, INC.

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PRODUCT TEST DATA

Product ABOWELD 55-1

PROPERTY	TEST METHOD	DATA
Flash Point (Close-cup apparatus)° F; °C	ASTM D 3278	248°F (120°C)
Pull-off Strength	ASTM 4541	1112.5 psi (7.67MPa)
Pot life time minutes, 100g @ 25°C		65 min
Abrasive resistance	ASTM D 4060	0.043g (CS 17/Load 1000/ Cycles 1000)
Coefficient of Friction (Slip Resistance)	ASTM D 1894	1.5
Viscosity, cps	ASTM D 562	Thixotropic paste
Gloss	TT-P-141C, Method 6101	Flat
Tensile Strength	ASTM D 638	500 psi
Elongation	ASTM D 638	22%
Compressive Strength	ASTM D 695	5900 psi
Flexural Strength	ASTM D 790	8372 psi
Hardness	Shore A(D)	92(73)
Chemical Resistance	ASTM D 543	Excellent
% Solids by weight		100%
% Solids by volume		100%
Impact Resistance	ASTM 4226	95.0
Pencil Hardness	ASTM D 3363	F
Weight per gallon		12.50
VOC (EPA method #24)		Negligible
Application Temperature: air/surface/material		50-90°F Degrease surface
Application method: brush/roll/spray/etc.		Trowel
Coverage: sq. ft./gal Mils wet/mils dry		1 gallon – 231 cubic inches
Solvent		None
Color		Gray
Shelf-life		2 years
Primer		None
Substrate		Concrete, Metal, Wood
Heat Resistance	ASTM D 2485	356°F (180°C)
Hardening time @ 72°F		2-6 hours
UV Resistance		Yes
Flame resistance	ASTM D3801-96e1	Yes

Note: Meets ASTM C881/882 Type III, Grade 3, Class B,C.

The above information is the result of accurate laboratory and field tests. However, no guarantee is offered, as uses and applications are beyond our control. Specifications are subject to state-of-the-art changes.

Rev 052021

ABOWELD 55-1 (chemical resistance)

Test had gone 3 hours at 72.5°F and 65% of humidity, ASTM D543

Toluene ----- excellent
Sulfuric acid, 3% ----- excellent
Detergent ----- excellent
Ammonium hydroxide, 10% ---- excellent
Hydrochloric acid, 10% ----- excellent
Xylene ----- excellent
Bleach ----- excellent
Salt water ----- excellent
Lemon juice ----- excellent
Ketchup ----- excellent
Mustard ----- excellent
Lip stick ----- excellent

Excellent ----- No effect
Good ----- Stain Only
Satisfactory --Blistering
Bad ----- Lifting
Very bad ----- Failure