



2870 CRESTWOOD BLVD. STE B
IRONDALE, AL 35210
205-957-0020



DEFENDER

DEFENDER AP70

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Defender AP70 is a 1:1, fast-set, spray-applied, two-component aliphatic polyurea that is 100% solids and contains zero VOCs.

FEATURES

Color Stability & Gloss Retention When cured, Defender AP70 is formulated to maintain extremely high color stability and gloss retention, even with light or pastel colors.

Excellent Adhesion Defender AP70 maintains excellent adhesion to steel (when used with Defender PR50 Primer) and concrete (when used with Defender PR58 Primer).

100% Solids, Zero VOCs Defender AP70 is a 100% solids polyurea and is formulated with zero VOCs.

TECHNICAL DATA

APPLICATION PROPERTIES	VALUES
Mix Ratio, by volume A to B	1A:1B (55 gallons each = 110 gallon kit)
Solids	100%
VOCs	0%
Gel Time	30 seconds
Tack Free Time	60 seconds
Recoat Window at 77°F	2 hours

PHYSICAL PROPERTIES	
Product Color - Part A	Non-pigmented
Product Color - Part B	Light Gray75A
Hardness, Shore A, D-2240	1800 psi
Tensile Strength, D-412	360 pli
Tear Strength, D-624	700%
Elongation, D-412	

*Values were obtained in a laboratory setting for comparison purposes only, and should not be considered exact specifications.



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APPLICATION

Defender AP70 adheres to metal or concrete surfaces used over an appropriate primer. It should be applied through a two-component, heated, high pressure proportioning unit (1A:1B) capable of dynamic spray pressures of 2,000-2,400 psi. Be sure to consult an umi coatings representative for equipment and application training.

SAFETY

This product is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or a fresh air hood. Spraying indoors requires forced ventilation. Consult the SDS in its entirety prior to using Defender AP70.

PACKAGING, STORAGE AND SHELF LIFE

Defender AP70 is available in 55 gallon drums (equaling a 110 gallon kit). It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months when stored in factory sealed containers under normal conditions.

PRODUCT DISCLAIMER

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