

Features

Passes ASTM E84 Class 1

Defender AL-16 FG passes the "Standard Method of Test for Surface Burning Characteristics of Building Materials."

Excellent Adhesion

Defender AL-16 FG has properties that make it excellent for adhesion to steel (when used with Defender PR50 Primer) and concrete (when used with Defender PR58 Primer).

High Color Stability and Gloss Retention

Defender AL-16 FG has extremely high Color Stability and Glass Retention, even when used with light or pastel colors.

100% Solids, Zero VOCs

Defender AL-16 FG is 100% solids and is formulated with zero VOCs.



www.sprayroq.com/umi

4766 Grantswood Road Suite 150
Irontdale, AL 35210

205.957.0020
800.634.0504

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Defender AL-16 FG

Aliphatic Polyurea Spray Coating



Description

Defender AL-16 FG is a 1:1, fast-set, spray applied two-component aliphatic polyurea.

Technical Data

Application Properties

	*Values
Mix Ratio, by volume A to B	1A:AB (55 gallon drums = 110 gallon kit)
Gel Time	135 seconds
Dry to Touch Time	6 - 10 minutes
Tack Free Time	20 minutes

Physical Properties

Product Color - Part A	Non-pigmented
Product Color - Part B	White, Moody Green or Custom
Density, weight/gallon	Part A: 9.4 - 9.6 / Part B = 10.0 - 10.4
Viscosity, cps	Part A: 500 - 1100 / Part B = 800 - 1500
Hardness, Shore D, D-224	70-75 D
Tensile Strength, D-412	4,700 psi
Tear Strength, D-624	430 pli
Elongation, D-412	16%

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

Application

Defender AL-16 FG adheres to metal or concrete surfaces used over an appropriate primer. It should be applied through a two-component, heated, high pressure proportioning unit (mixed 1 part A to 1 part B) capable of dynamic spray pressures of 2000-2400 psi.

Packaging, Storage, & Shelf Life

Defender AL-16 FG 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 in factory sealed containers stored under normal conditions.

Safety

Defender AL-16 FG is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or fresh air hood. Spraying indoors requires forced ventilation. Be sure to read the SDS in its entirety prior to use.

*Be sure to consult with an **umi coatings** representative for equipment and application training.*