

Defender AL70

Aliphatic Polyurea Spray Coating



Description

Defender AL70 is a 1:1, fast-set, spray-applied, two-component aliphatic polyurea that is 100% solids and contains 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 Recoat	60 seconds
Window at 77°F	2 hours

Physical Properties

Product Color - Part A	Non-pigmented
Product Color - Part B	Light Gray
Hardness, Shore A, D-2240	75A
Tensile Strength, D-412	1800 psi
Tear Strength, D-624	360 pli
Elongation, D-412	700%

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

Application

Defender AL70 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.

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 AL70**.

Packaging, Storage and Shelf Life

Defender AL70 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.

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

Features

Color Stability & Gloss Retention

When cured, **Defender AL70** is formulated to maintain extremely high color stability and gloss retention, even with light or pastel colors.

Excellent Adhesion

Defender AL70 maintains excellent adhesion to steel (when used with Defender PR50 Primer) and concrete (when used with Defender PR58 Primer).

100% Solids, Zero VOCs

Defender AL70 is a 100% solids polyurea and is formulated with zero VOCs.



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