Elastothane
Polymer Coating Technologies

ELASTOLINE 7061.15FR PURE POLYUREA COATING

Elastoline 7061.15FR is a 1:1, fast setting, spray applied two component pure polyurea coating. It is 100% solids and contains no VOC's. 7061.15FR has been formulated as a protective coating for expanded foam and polystyrene (EPS), and is typically used to coat themed items, scenery and props. The 15 second gel time allows the coating to "wet out" giving a glossy and smooth finish. 7061.15 is a class 1 fire retardant (BS476 part7)

PRODUCT FEATURES

Pure Polyurea	Lower sensitivity to moisture during application.
Zero VOC's	100% solids, no VOC's.
Film Properties	High degree of flexibility combined with tensile strength gives excellent durability and abrasion resistance.
Chemical Resistance	The cross-linked properties of 7061.15 give excellent resistance against a variety of chemicals.
Impact Resistance	7061.15 provides excellent impact resistance even in sub-freezing temperatures.

TECHNICAL DATA

Criteria	7061.15FR Polyol	7061.15FR Iso
Viscosity at 23°C (mPa.s)	650 ± 300	600 ± 250
Density (g/ml)	1.03	1.14
Ratio by volume	1:1	
Gel time (seconds)	15	
Tack free time (seconds)	30	
Re-coat window (minutes)	25	
Hardness, Shore D	>50	
Tensile strength (N/mm ^{2})	18	
Elongation at break (%)	600	
Spray temperature (°C)	60-75	
Spray pressure (psi)	2400 - 3000	
Substrate temperature (°C)	+5°C to + 45°C	
Air temperature (°C)	+5°C to + 45°C	

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STORAGE

Stored in unopened original containers, 7061 Polyol will have a shelf life of one year.
Stored in unopened original containers, 7061 Polyol will have a shelf life of six months.
Store between +5°C to + 25°C.

APPLICATION GUIDELINES

The application surface should be thoroughly cleaned to remove any loose material, dust or grease.

Priming – Concrete

The use of Elastoline 4568 primer, blinded with sand, is recommended for use with this membrane

Priming – Metal

The use of Elastoline 3922 is recommended for use with this membrane

Application Equipment

Using plural component, heated, high pressure, impinge mixing spray equipment at elevated temperature. It is recommended that the product is applied at temperatures of 60 - 75°C. Equipment used must be capable of maintaining a stable high pressure and consistent volume output during application.

Application

7061.15FR is applied at a rate of 1.7-3kg/m². It is recommended that the product is applied at temperatures greater than 10°C. All substrates to be coated should have a surface temperature at least 3°C above dew point to reduce delamination risk due to Condensation.

Curing

Product is tack free in 30 seconds. If over coated, this should be done no more than 25 minutes after the first coat.

Quality Control

For specific information on using this product please consult our method statement. A test spray should be carried out prior to installing the product to ensure ratio and machine settings are correct.

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LIMITATIONS

Elastoline 7061.15FR is an aromatic pure polyurea, and as such, colour change will occur with UV exposure; this does not affect the physical properties. It is recommended to use darker colours for any application requiring colour stability.

HEALTH & SAFETY

Before use, ensure that you have read the relevant Health and Safety Data Sheet for this Product.

The Company will supply, upon request, individual advice in writing in connection with the use and application of its products in all appropriate cases. Customers are urged to make use of this service. This leaflet is provided for general guidance only. All recommendations and suggestions are made in good faith but without guarantee and are subject to the Company's terms and conditions.

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