



Elastothane

Polymer Coating Technologies

ELASTOLINE 7030 POLYURETHANE

Elastoline 7030 is a 1:1, fast-set, spray applied two-component polyurethane coating. It is 100% solids and contains zero VOCs. Elastoline 7030 is typically used as a protective coating for wood cabinets, audio speakers & flight cases. It exhibits excellent impact and scratch resistance and strong adhesion without applying a primer. Elastoline 7030 allows for a variety of final appearances, but is generally finished with a "fog coat" to impart a fine, textured finish. Standard colors are black and off-white.

PRODUCT FEATURES

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 7030 give excellent resistance against a variety of chemicals.
Impact Resistance	7030 provides excellent impact resistance even in sub-freezing temperatures.

TECHNICAL DATA

Criteria	7030 Polyol	7030 Iso
Viscosity at 23°C (mPa.s)	1000 ± 250	1300 ± 350
Ratio by volume	1:1	
Gel time (seconds)	8	
Tack free time (seconds)	40	
Re-coat window (minutes)	30	
Hardness, Shore D	60-70	
Tensile strength (N/mm ²)	18	
Elongation at break (%)	140	
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, 7030 Polyol will have a shelf life of one year.
Stored in unopened original containers, 7030 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.

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

7030 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 40 seconds. If over coated, this should be done no more than 30 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 7030 is an aromatic polyurethane, 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.

Elastoline 1400 top coat should be used to achieve UV 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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