



Formulated Systems

PRODUCT INFORMATION

TECHNICAL DATASHEET

4/16/2013

Introduction

DURELAST™ 3095 is a two component sprayable elastomer which can be applied to a wide variety of substrates at ambient temperature. Its rapid reaction time produces a sprayed film which is touch dry in seconds. The system is designed for use through 1:1 volumetric spray equipment.

DURELAST 3095

DURELAST™ 3095 can be supplied pigmented to a range of colours but will discolour when exposed to UV light therefore is only recommended for the production of dark colours.

Component Properties

Polyol Component

Product Reference	DURELAST™ 3095 Polyol
Appearance	Liquid at 25°C
Viscosity	500 – 800 cps at 25°C
Specific Gravity	1.02 – 1.03 at 25°C

Isocyanate Component

Product Reference	DURELAST™ 3095 Prepolymer
Appearance	Colourless Liquid at 25°C
Viscosity	7 – 13 poise at 25°C
Specific Gravity	1.1 – 1.14 at 25°C

Mixed System

Mixing Ratio	0.91:1 by weight (Polyol : Isocyanate)
Gel Time	0' 5" - 0' 10" (100 gms at 25°C)

These are typical values and should not be construed as specifications.

Cured System – Typical Properties

Property	Test Method	Value	Unit
Shore Hardness	BS EN ISO 868	95	°A
Tensile Strength	BS 903 Pt A2	16	MPa
100% Modulus	BS 903 Pt A2	9	MPa
Elongation at Break	BS 903 Pt A2	250	%
Angle Tear Strength	BS 903 Pt A3	70	N/mm
Crescent Tear Strength	ASTM D624-73	70	N/mm
Density	BS 903 Pt A1	980	Kg/m ³
DIN Abrasion	DIN 53516	220	mm ³ loss

These are typical values and should not be construed as specifications.

Processing Details

The following information is given as a guide to processing this product. It is recommended that optimum conditions for a specific application are determined experimentally. Our Technical Service Department can offer more detailed advice.

Recommended Cure Cycle

24 - 48 hours at room temperature to reach full cure.

Additional Processing Details

This product is designed for use through 1 : 1 volumetric spray equipment. For advice on suitable equipment and optimum procedures for use please contact our Technical Service Department.

Storage and Handling

		Shelf life
Polyol Component	Store in tightly sealed containers at a temperature of 0 - 30°C. Raise to the processing temperature and mix well before use. Avoid contact with moisture.	6 months
Isocyanate Component	Store in tightly sealed containers at a temperature of 15 - 35°C. Avoid contact with moisture. Storage below the recommended minimum temperature may result in freezing of the Isocyanate. If the Isocyanate does not fully melt out when raised to the processing temperature it may be necessary to re-melt at a temperature of 60 - 70°C following the procedures laid down in the information sheet 'Safe Handling – Pure, Modified and Polymeric MDI' Form No. 109-01224X-1009P&M.	12 months

More detailed information on the storage and handling of polyurethane components can be obtained by contacting Dow Technical Service Department.

Packaging

Polyol Component	24.5 kg, 195 kg
Isocyanate Component	25 kg, 220 kg

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Contact information:

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