

# PRODUCT INFORMATION

## PROVISIONAL TECHNICAL DATASHEET

07/09/2009-2

### INTRODUCTION

DURELAST 3095 is a two component sprayable elastomer. The material can be applied to a wide variety of substrates at ambient temperature and 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. It 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 Code	DURELAST 3095 PREPOLYMER
Appearance	Colourless Liquid at 25 °C
Viscosity	500 - 700 cps 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)

### CURED SYSTEM - TYPICAL PROPERTIES

Property	Test Method	Value	Unit
Sheet Hardness	BS EN ISO 868	95	°A
100% Modulus	BS 903 Pt A2	9	MPa
Tensile Strength	BS 903 Pt A2	16	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/m
DIN Abrasion	DIN 53516	220	mm <sup>3</sup> loss
Density	BS 903 Pt A1	980	Kg/m <sup>3</sup>

### PROCESSING DETAILS



Dow Hyperlast

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## **DURELAST 3095**

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

**Recommended Processing Temperatures :-**

**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 refer to the Hyperlast Processing Guide or contact Hyperlast Technical Service Department.

**STORAGE AND HANDLING**

**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.

Shelf Life - 6 months.

**Isocyanate Component :-**

Store in tightly sealed containers at a temperature of 0 - 30 °C. Avoid contact with moisture.

Shelf Life - 12 months.

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 Hyperlast Limited information sheet 'ISOCYANATES - HAZARDS AND SAFE HANDLING PROCEDURES'.

More detailed information on the Storage and handling of Polyurethane Components can be obtained by contacting Dow Hyperlast Technical Service Department.

**MATERIAL SAFETY INFORMATION**

Before using this product consult Dow Hyperlast Safety Data Sheets.

**PACKAGING**

DURELAST 3095 POLYOL is available 25 Kgs, 200 Kgs  
in :-

DURELAST 3095 PREPOLYMER is 25 Kgs, 220 Kgs  
available in :-

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