

PRODUCT INFORMATION

PROVISIONAL TECHNICAL DATASHEET

23/04/2003-3

INTRODUCTION

Duramould ET 30A is a polyol based curative which reacts with Duramould 5234 Isocyanate pre-polymer to produce a low hardness polyurethane elastomer with high extensibility. The product has good moisture tolerance and can be used to take masters from stone, plaster etc. The product can also be used as a sealant or grouting compound in a variety of different applications.

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DURAMOULD ET 30A

COMPONENT PROPERTIES

Polyol Component :-

Product Reference	7980313
Appearance	Amber Liquid at 25 °C
Viscosity	100 - 300 cps at 25 °C
Specific Gravity	1 - 1.04 at 25 °C

Isocyanate Component :-

Product Code	7855234
Appearance	Pale Straw Liquid at 25 °C
Viscosity	4000 - 10000 cps at 25 °C
Specific Gravity	1.04 - 1.06 at 25 °C

Mixed System :-

Mixing Ratio	0.7 :1 by weight (Polyol : Isocyanate)
Gel Time	15' 0" - 25' 0" (100 gms at 25 °C)

CURED SYSTEM - TYPICAL PROPERTIES

Property	Test Method	Value	Unit
Shore Hardness	BS EN ISO 868	30	°A
100% Modulus	BS 903 Pt A2	0.6	MPa
Tensile Strength	BS 903 Pt A2	2.2	MPa
Elongation at Break	BS 903 Pt A2	>1000	%
Angle Tear Strength	BS 903 Pt A3	16	N/mm

Split Tear Strength	ASTM D470	4	N/mm
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PROCESSING DETAILS

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

Recommended Processing Temperatures :-

Polyol Component	20 - 30 °C
Isocyanate Component	20 - 30 °C

Recommended Cure Cycle :-

Product will be fully cured within 24 - 48 hours.

Additional Processing Details :-

Material should be processed through suitable two-component dispensing machinery. Hyperlast Technical Service Department can advise on choice of equipment for this product. For improved adhesion to a range of substrates suitable primers can be recommended.

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 - 12 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 Hyperlast Limited Technical Service Department.

MATERIAL SAFETY INFORMATION

Before using this product consult Hyperlast Limited Safety Data Sheets.

PACKAGING

7980313 is available in :-	25 Kgs, 200 Kgs
7855234 is available in :-	25 Kgs, 200 Kgs

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