

Duramould ET 30A (Yellow)

1. DESCRIPTION

Duramould ET 30A (Yellow) 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.

2. COMPONENT PROPERTIES

Polyol Component:-

| | |
|--------------------|-----------------------|
| Product Reference: | 7980316 |
| Appearance: | Yellow liquid at 25°C |
| Viscosity: | 100-300 cps at 25°C |
| Specific gravity: | 1-104 at 25°C |

Isocyanate Component:-

| | |
|-------------------|---------------------------|
| Product Code: | 7855234 |
| Appearance: | Pale straw liquid at 25°C |
| Viscosity: | 4000 - 10,000 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" (100gms at 25°C) |

3. 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 |

4. 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 |

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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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.

5. 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 Polyurethan Components can be obtained by contacting Hyperlast Limited Technical Service Department.

6. MATERIAL SAFETY INFORMATION

Before using this product consult Hyperlast Limited Safety Data Sheets.

7. PACKAGING

7980316 is available in : 25kgs, 200kgs
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