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Duramould®

Duramould systems for mould making



engineering polyurethane excellence

DURAMOULD® Duramould systems for mould making

Hyperlast have supplied 'Diprane®' and 'Hyperlast®' products into the concrete mould liner industry for over 20 years. Building on this vast experience Hyperlast have developed a new range of hand mixable products - 'Duramould®' - to complement the existing ranges.

'Duramould®' offers the following features

- Easy ratio
- Long pot life
- High moisture tolerance
- Room temperature castable
- Excellent reproduction with minimal shrinkage
- Excellent physicals with high tear strength

These features make 'Duramould®' very easy to process ensuring right-first-time manufacture producing high quality long lasting moulds.

TDI – HAND OR MACHINE MIXABLE GRADES

Grade	ET 30A	ET 45A	ET 60A	ET 70A
Colour	Yellow	Red	Orange	Clear
Polyol	7980316	7980295	7980311	7980367
Isocyanate	7855234	7855223	7855223	7855223
Mixing Ratio	0.7:1	1:1	0.5:1	0.29:1
Gel Time (Mins)	15-25	15-25	10-20	10-15
Shore Hardness	30A	45A	60A	70A

Exciting new range of cold castable systems. Easy ratio, long pot life, good moisture tolerance coupled with excellent physical properties help ensure right 1st time manufacture. Superb reproduction of fine detail.



Fig 1 Duramould® ET 60A



Fig 2 Duramould® ET 30A



Fig 3 Duramould® ET 45A

DURAMOULD® Duramould systems for mould making

MDI - HAND OR MACHINE MIXABLE GRADES

Grade	Polyether		
	EM 65A	EM 87A	EM 88D
Colour	White	Black	Black
Polyol	2851106	7980297	2874209
Isocyanate	2875003	2875000	2875000
Mixing Ratio	6:1	4.4:1	2:1
Gel Time (Mins)	9.5-11	40-45	8-10
Shore Hardness	65A	87A	88D

Excellent tooling systems ideal for short production runs. Used by industry for many years.

MDI - MACHINE MIXABLE GRADES

Grade	Polyether	Polyester	Polyester	Polyester
	EMX 65A	SMX 30A	SMX 40A	SMX 60A
Colour	Natural	Natural	Natural	Red/Brown
Polyol	7980118	7981048	7981101	7981083
Isocyanate	7855149	2875034	2875034	2875034
Mixing Ratio	0.83:1	5.2:1	4.5:1	1.8:1
Gel Time (Mins)	6-8	3-3.5	4-5	3.5-4.5
Shore Hardness	65A	30A	40A	60A

Rapid productivity with these machine grade systems. Used for decades by industry helping to mass produce quality moulds economically.

MDI - SPRAYABLE GRADES

Grade	EMS 85A	EMS 80D
Colour	Natural	Natural
Polyol	7980153	7983113
Isocyanate	7855185	7855257
Mixing Ratio	1:1 (vol)	1:1 (vol)
Gel Time (Secs)	5-10	5-10
Shore Hardness	85A	80D

Moulds are produced in minutes with these 2 new development grades. Simple ratio plus excellent reproduction of fine detail helps produce quality moulds.



Fig 5 Duramould® EMS 85A