Molding PUR-80

Two Component 1/1 Mixing Ratio, Cold Cast Elastomer For Molding and Casting Applications

DESCRIPTION

Molding PUR-80 is a two component, 1/1 mixing ratio, low viscosity cold cast polyurethane elastomer. The low viscosity and the fact that the material is 100% pure resin allows superior handling and excellent imprinting even of the finest detail.

Molding PUR-80, combines a good pot-life with very fast de-molding times and produces a flexible but durable elastomer. The material is 100% solids and therefore molds will not shrink or soften with age.

RECOMMENDED FOR

- Stamp Concrete
- Art molds
- Molds from plaster, epoxy, wax
- sculptures

METHOD OF APPLICATION

Preparation of Master

Clean and dry the master thoroughly. If the master has a porous surface (clay, concrete, plaster, etc.) or is made of sulphur-based clay, you must seal it. You can use polyurethane varnish, polyurethane sealant, or paste wax to seal your master.

Apply an appropriate release agent to the master and interior of the mold housing. Apply release agent sparingly, while coating all surfaces of the master. Too much release agent may cover the details of the master. Allow the release agent to dry approximately 10 minutes before you pour your mold

Mixing and Pouring of the material

Mix equal volumes of Component A and B, the mixing should be thorough but with caution so as not to introduce air bubbles. To ensure that no air bubbles form over the details of you master, you may brush a thin base coat of **Molding PUR-80** onto the master and then pour the rest of the mold material. Pour slowly so that any air bubbles that may have formed during mixing can break over the lip of the container. Do not scrape the sides or bottom of the container as the material that clings to these areas may not be completely mixed and will not cure correctly. A third container may be used to ensure adequate mixing.

PACKAGING

20 Kg A/ 20 Kg B

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TECHNICAL SPECIFICATIONS

Liquid product:

PROPERTY	COMPONENT A	COMPONENT B
COLOR	CLEAR	GREEN
MIX RATIO BY WEIGHT*	1	1
VISCOSITY	1,000-3,000	500-700
SPECIFIC WEIGHT	1.00-1.10	1.00-1.10

* Also 1/1 by volume but it is recommended to weigh the two components for better accuracy.

Mixed product:

PROPERTY	UNITS	METHOD	SPECIFICATION
POT-LIFE	min	-	7
CURE TIME	hours		1
DEMOLD TIME	hours		<2
ELONGATION	%	ASTM D412 / EN-ISO-527-3	>300
TENSILE STRENGTH	N/mm^2	ASTM D412 / EN-ISO-527-3	>5
SHORE HARDNESS	Shore A	ASTM D2240 / DIN 53505 / ISO R868	>75
SHRINKAGE	%	-	0

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