

U RESIN CC95A



U RESIN CC95A is a high performance cold castable polyurethane elastomer. The product is free from MOCA (methylene-bis-orthochloroaniline) and flammable solvents, which produces an elastomer with outstanding toughness excellent abrasion resistance and high chemical resistance.

When mixed on ratio, an elastomer with outstanding toughness, high elongation, excellent tear strength and abrasion resistance is produced. The cured product can comfortably operate in conditions as varied as minus 50°C to 110°C.

It offers advantages in that it can be readily processed and cured at room temperatures. The convenient mix ratio and low viscosity allow easy processing.

PROFILE:

	PART A	PART B	MIXED	TEST METHOD
Colour	Clear/ Light Amber	Brown/Green		
Mix Ration (by Weight)	100	15		
Pot Life @ 25°C (mins)			6-10	
Viscosity at 25°C (cps)	10,500 ± 200	420± 20	5000	
Specific Gravity at 25°C	1.06	1.2		
Hardness (Shore A)			95 ± 3	AS1683.15
Tensile Strength (MPa)			44	AS1683.11
Elongation (%)			380	AS1683.11
Abrasion Loss (mm ³)			85	AS1683.21
Rebound Resilience (%)			40	
Cured Specific Gravity (g/cm ³)			1.12	AS1683.4
Linear Shrinkage (%) @ 23°C (500mm x 46mm x 16mm)			0.2	

RECOMMENDED CURE: 24 hours at 25°C will result in an 80% cure. Fully cured at 7 days at 25°C. Alternatively a 70°C cure for 4-6 hours will result in 80% cure.

TESTING OF THIS PRODUCT IS STRONGLY RECOMMENDED TO CONFIRM SUITABILITY FOR SPECIFIC APPLICATIONS.

PROCESSING PROCEDURE

1. U RESIN CC95A Part A should be preheated* between 20 - 30°C and thoroughly degassed at 1-5 mmHg of vacuum until excessive foaming stops.
 2. The U RESIN CC95A Part B (Curative) should be added to Part A (Prepolymer) and processed at room temperature. After adding the curative, mix thoroughly, being careful not to introduce air into the mixture.
 3. Pour mixed U RESIN CC95A into moulds that have been pre-coated with release agent.
- *The temperature may be increased to a maximum of 80°C, as temperature increases, the working life decreases.

ADHESION

Adhesion of U RESIN based elastomers to various substrates is at best marginal if a primer is not used. Please consult U RESIN for specific recommendations to improve adhesion.

HANDLING PRECAUTIONS

U RESIN CC95A Part A contains a small amount of free TDI. Therefore the product should be used in well-ventilated areas. Avoid breathing in vapours and protect skin and eyes from contact.

In case of skin contact, immediately remove excess, wash with soap and water. For eye contact, immediately flush with water for at least 15 minutes. Call a physician.

If nose, throat or lungs become irritated from breathing in vapours, remove exposed person to fresh air. Call a physician.

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