

# U RESIN CCM55A



U RESIN CCM55A is a medium performance cold castable polyurethane elastomer. The product is free from MOCA (methylene-bis-ortho-chloroaniline) and flammable solvents, which produces an elastomer with outstanding toughness excellent abrasion resistance and high chemical resistance.

It offers advantages in that it can be readily processed and cured at room temperature. The convenient mix ratio and low viscosity allow easy processing. Applications and uses include: Flexible moulds for concrete, concrete stamp pads, cast in place liners, shock and sound dampening pads, impellers and belts.

## PROFILE:

	PART A	PART B	MIXED
Colour	Clear/ Light Amber	Brown/Green	
Mix Ration (by Weight)	100	56	
Pot Life @ 25°C (mins)			25-30
Viscosity at 25°C (cps)	10,000 ± 200	180± 20	2700
Specific Gravity at 25°C	1.02	1.2	
Hardness (Shore A)			55 ± 3
Tensile Strength (MPa)			15
Elongation (%)			550
Abrasion Loss (mm <sup>3</sup> )			185
Rebound Resilience (%)			50
Cured Specific Gravity (g/cm <sup>3</sup> )			1.10
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.

U RESIN CCM55A can be mixed by hand or readily processed through suitable polyurethane dispensing equipment.

NOTE: Both Part A and B components are moisture sensitive. Once opened, containers should be purged with nitrogen, if they are to be stored for a period of time. Part B must be thoroughly MIXED before use.

The Part A can solidify at temperatures below 15°C. If this occurs you need to warm the Part A component to approximately 50°C, then allow cooling to 25°C in order to liquefy before processing.

## PROCEDURE:

1. Carefully weigh the correct proportions of the two components together in one container, mix thoroughly. Be careful not to entrap air whilst mixing.
2. Pour the mixed material into moulds that have been prepared with release agent, being careful to avoid trapping air.
3. Allow casting to cure before de-moulding.

## HANDLING PRECAUTIONS:

U RESIN CCM55A 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.