

NEUTHANE 802SR Series

MDI - Ester Quasi Systems (3 Component System)

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The Neuthane 802 SR series is a range of high-performance MDI – ester quasi systems formulated from special polyester polyols.

- Improved levels of solvent resistance compared to conventional adipate esters.
- good cut and abrasion resistance.
- higher levels of physical properties at the low end of the hardness range compared to TDI systems

Typical Applications

- Squeegee blades

Processing can be carried out by hand or by dispensing machine

- Avoid moisture contamination of all materials.
- Part used containers should be flushed with dry nitrogen and resealed immediately after use
- It is vital to ensure that both components are completely liquid and thoroughly mixed prior to use
- Due to the exothermic nature of the system, larger mixes will have a shorter pot life

Hand Processing

1. Melt ISO component at 60°C, POLYOL components at 70°C for 12-24 hours and NEUTHANE CA14 at 40°C for 12-24 hours
2. Ensure components are completely liquid and thoroughly mixed prior to use
3. **Bring all components to the process temperature.**
4. Add pigments and Antifoam (as applicable) to the polyol component whilst mixing
5. It is recommended that air be removed from the ISO component under vacuum prior to addition of the curative
6. Add all components and thoroughly mix ensuring that no unmixed material is left on the container sides (if necessary, the mix can be transferred to a second clean container and mixed again)
7. Remove air under vacuum
8. Cast into moulds, preheated to the recommended temperature
9. Cure as recommended

Complete toxicity and handling information can be found on the Safety Data Sheet, available upon request.

Alternatives	Dynamic Resilience	- PTMEG ether-based systems should be considered	NEUTHANE 100 [TDI], 600 [MDI], NEUTHANE 801 [Quasi]
	Humid/Wet	- PTMEG ether-based systems should be considered	NEUTHANE 100 [TDI], 600 [MDI], NEUTHANE 500 [Aliphatic]
	Temperature	- PTMEG ether-based systems should be considered	NEUTHANE 100 [TDI], 600 [MDI], NEUTHANE 500 [Aliphatic]

NEUTHANE 802SR Bespoke Pre-Catalysed system options are available, tailored to your needs and requirements

NEUTHANE 802SR Series (3 COMPONENT) MDI – Ester Quasi System (60A – 95A)

NEUTHANE GRADE		802/60 SR	802/65 SR	802/70 SR	802/75 SR	802/80 SR	802/85 SR	802/90 SR	802/95 SR
Mix Ratio NEUTHANE 802 ISOW	by weight	100	100	100	100	100	100	100	100
Mix Ratio NEUTHANE 802 PSRUC	by weight	331	195	142	112	105	97	83.5	74.5
Mix Ratio NEUTHANE CA14	by weight	0	9.0	12.5	14.5	15.0	15.5	16.4	17.0
NEUTHANE 802 ISOW Process Temperature	°C	50 -55	50 -55	50 -55	50 -55	50 -55	50 -55	50 -55	50 -55
NEUTHANE PSRUC Process Temperature	°C	60 -65	60 -65	60 -65	60 -65	60 -65	60 -65	60 -65	60 -65
NEUTHANE CA14 Process Temperature	°C	40	40	40	40	40	40	40	40
Optimum Mould Temperature	°C	80 - 90	80 - 90	80 - 90	80 - 90	80 - 90	80 - 90	80 - 90	80 - 90
Recommended Cure Temperature / Time	°C / hrs	70 / 16	70 / 16	70 / 16	70 / 16	70 / 16	70 / 16	70 / 16	70 / 16

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