



MENGWEI
ADVANCED MATERIALS

— DIVISION 05

MS Polymer & Sealants

SILANE-MODIFIED POLYETHER · PU & MS SEALANTS

01 Rigid Foam PU Systems

02 Flexible & Specialty Polyols

03 PU Waterproofing & Grouting

04 Polyurea Spray Systems

05 MS Polymer & Sealants

06 PU Additives & Catalysts

07 Specialty Surfactants & Industrial Chemicals

*Engineered to global specifications — one-stop
polyurethane raw materials & systems.*

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MENGWEI silane-modified polyether (MS / SMP) resins cure bubble-free by moisture to elastic sealants, structural adhesives and coatings with excellent adhesion across substrates. Supplied both as base resin for sealant manufacturers and as ready-formulated PU and MS sealants.

Bubble-free cure

Moisture cure with no off-gassing; paintable, isocyanate-free.

Broad adhesion

Adheres to most substrates without primer in many systems.

Resin or finished goods

Base SMP resin for formulators, or finished sealants.

Silane-Modified Polyether (MS / SMP) Resin

MwMS

Alkoxysilane-terminated polyether base resins for sealants and adhesives.

GRADE	VISCOSITY 25°C (MPA·S)	DENSITY (KG/L)	PH	APPEARANCE	MODULUS	APPLICATION
MwMS-1500	10 000–20 000	1.0–1.1	6–8	Colourless transparent	Medium	MS sealant base resin
MwMS-2005	20 000–30 000	1.0–1.1	6–8	Colourless transparent	Medium / low	MS sealant base resin
MwMS-3005	30 000–40 000	1.0–1.1	6–8	Colourless transparent	Medium	MS sealant base resin
MwMS-4004	35 000–45 000	1.0–1.1	6–8	Colourless transparent	Medium / high	MS sealant base resin
MwMS-505	High MW	—	—	Clear viscous	—	High-performance SMP resin
MwMS-203	Medium MW	—	—	Clear viscous	—	SMP resin for adhesives

Formulated Sealants

MwSeal

Ready-to-use single-component construction sealants.

GRADE	TYPE	DENSITY (KG/L)	POT LIFE	TENSILE (MPA)	ELONGATION (%)	APPLICATION
MwSeal-PU1	Polyurethane, medium-low modulus	1.4–1.6	≤2 h	≥0.8	≥400	Construction joints
MwSeal-MS1	MS, medium-low modulus	1.4–1.6	≤1.5 h	≥0.8	≥300	Construction joints
MwSeal-MS2	MS, medium-high modulus	1.4–1.6	≤1.5 h	≥1.5	≥200	Construction / automotive
MwSeal-MS3	MS, medium-high modulus	1.4–1.6	≤2 h	≥1.0	≥200	Floor bonding



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