



MENGWEI
ADVANCED MATERIALS

04

— DIVISION 04

Polyurea Spray Systems

CONSTRUCTION · INDUSTRIAL · SUPPORTING COATINGS

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 polyurea forms a seamless, rapid-curing elastomeric membrane with outstanding abrasion resistance, elongation and chemical resistance. The range spans construction waterproofing, water-conservancy works, heavy industrial anti-corrosion and abrasion linings, plus a full set of matched primers, aliphatic top-coats and putties. Detailed TDS available per grade.

Pure & spray polyurea

From soft high-elastic to high-modulus anti-corrosion grades.

Hand-trowel options

Single- and two-component manual grades for detailing.

Complete build-up

Matched primers, topcoats and putties for every substrate.

Construction & Waterproofing Polyurea

MwPUA

Spray and hand-applied polyurea for waterproofing and water-conservancy works.

GRADE	TYPE	TENSILE (MPA)	ELONGATION (%)	APPLICATION
MwPUA-101	Pure spray polyurea	≥15	≥300	Roof, pool, parking deck waterproofing
MwPUA-106	Soft high-elastic polyurea	—	Very high	Soft-touch / high-flex surfaces
MwPUA-121	Spray polyurea waterproof coating	—	—	General waterproofing
MwPUA-201	Polyaspartic polyurea	≥10	≥400	Fast-cure topcoat
MwPUA-202	Spray polyurea	≥10	≥300	Spray waterproofing
MwPUA-211	Single-component hand-trowel polyurea	—	High	Detailing / manual application
MwPUA-221	Water-conservancy spray polyurea	≥16	≥400	Dams, channels, reservoirs
MwPUA-222	Cold-region spray polyurea	—	—	Low-temperature application
MwPUA-223	Two-component hand-trowel polyurea	—	—	Water-conservancy manual works

Industrial Anti-corrosion & Abrasion Polyurea

MwPUA

Heavy-duty linings and protective coatings for industrial assets.

GRADE	TYPE	APPLICATION
MwPUA-362	Wear-resistant polyurea coating	Chutes, hoppers, mining wear liners
MwPUA-406	Pipeline anti-corrosion polyurea	Buried & exposed pipelines
MwPUA-505	Heavy anti-corrosion polyurea	Storage tanks, marine, rail, truck-bed liners
MwPUA-401	Special protective polyurea	General industrial protection
MwPUA-409	Cabinet / enclosure polyurea	Audio enclosures, moulded shells
MwPUA-423	Marine fender polyurea	Dock fenders, marine fittings
MwPUA-424	Decoration / theming polyurea	Sculptures, theme-park props



Specialty, New-energy & Fire Polyurea

MwPUA

Functional grades for new-energy, weathering and fire-protection duties.

GRADE	TYPE	APPLICATION
MwPUA-601	Flame-retardant polyurea	Fire-rated protection
MwPUA-709	Anti-blast coating	Petrochemical / building blast mitigation
MwPUA-721	High-performance protective coating	New-energy assets
MwPUA-731	High-weatherability protective coating	Outdoor / UV-exposed surfaces
MwPUA-741	Micro-foamed polyurea	Lightweight protective layers

Supporting Primers, Topcoats & Putties

Mw-Series

Matched build-up products for full system performance.

GRADE	TYPE	SUBSTRATE / USE
MwPrime-212	Solvent-free primer	General
MwPrime-231	FRP / GRP primer	Glass-reinforced plastic
MwPrime-241	Rubber-substrate primer	Rubber / bituminous
MwPrime-450	General primer	Concrete / mortar
MwPrime-600	Metal primer	Steel / metal
MwTop-100	Aliphatic polyurea topcoat	UV-stable colour topcoat
MwTop-212	Aspartic high-solid elastic topcoat	High-build elastic topcoat
MwTop-100W	Waterborne topcoat	Low-emission topcoat
MwPutty-100	Polyurea putty	Surface levelling
MwPutty-100W	Waterborne putty	Low-emission levelling

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