

M-35

M-35 is a specially formulated fast curing plural component polyurea blend developed for superior physical properties, and corrosion resistance. The M-35 an excellent coating choice for such applications where a structural material is needed to protect and rehabilitate concrete, steel or other objects or structures.

The M-35 material has been used in automotive manufacturing, flotation devices and in multiple water and waste/ water uses where a stout structural material is preferred. M-35 can be processed easily using various plural component equipment.

Typical Physical Properties

WET

Solids	
By Weight	100%
By Volume	100%
VOC	0.0 lbs/gal
Weight/gallon	9 lbs combined

Viscosity:

A Component (Isocyanate)	800 s/cps @ 25° C
B Component (Amine polymer)	700 s/cps @ 25° C

Cure Times:

Gel	8 seconds (depending on temperatures)
Tack Free	60 seconds
Post Cure	24 hours
Shelf life	6 months

CURED

Tensile strength (para)ASTM D638 (psi)	5686
Tensile Modulus(Young's)(para)ASTM D638 (psi)	283,211
Tensile Modulus(Young's)(perp)ASTM D638 (psi)	279,785
Flexural Modulus (para)D790	253,730
Flexural Modulus(perp) D790	253,099
Break stress	4,670 KSI
Elongation @ 25° C (77o F)	10%
Hardness ASTM 2240-95	77 Shore D