



# SPUR<sup>+</sup> PREPOLYMER TECHNOLOGY

Momentive's silane-terminated polyurethanes (SPUR<sup>+</sup> prepolymers) have become increasingly attractive to manufacturers of adhesives, sealants and coatings. In addition to these prepolymers, Momentive is offering a wide variety of additives and adhesion promoters such as Silquest\* and CoatOSil\* allowing the formulator to meet end users performance needs.

These prepolymers, along with other types of chemistries, allow the formulator to utilize a wide variety of additives and adhesion promoters to meet performance needs of the end user.

## Industry Applications

CONSTRUCTION  
SEALANTS

ADHESIVES FOR  
CONSTRUCTION & DIY

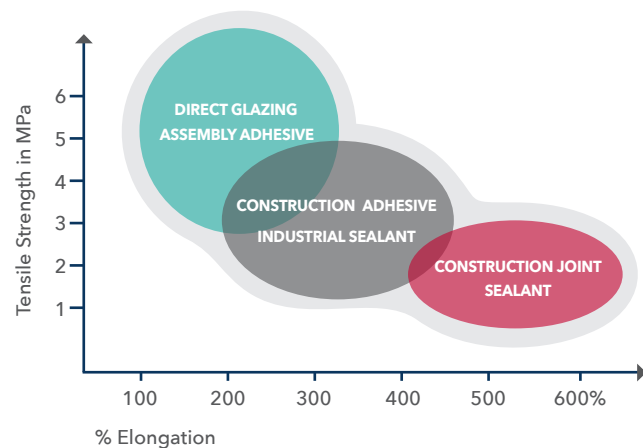
ROOF  
COATINGS

INDUSTRIAL ELASTIC  
ADHESIVES

## Key Features and Typical Benefits

- Moisture cure at room temperature
- Broad formulation latitude
- Low viscosity
- Primerless adhesion to many materials
- Excellent chemical resistance and weatherability
- Isocyanate free
- Easy application characteristics
- Ability to formulate into 1 K or 2K system
- High elasticity recovery
- Long shelf life

## Typical Properties of SPUR<sup>+</sup> Adhesives & Sealants



Typical properties are average data and are not to be used as or to develop specifications.



SPUR <sup>++</sup> prepolymer	Typical Viscosity @20°C (mPa.s)	Typical Characteristics and Applications
1015LM	~50,000	Low modulus, not tacky, broadly used in construction sealants
1050MM	~35,000	Balanced mechanical properties for adhesives / sealants
Y-19129	~25,000	Improved adhesion on concrete after several days water immersion
Y-15987	~7,000	Low viscosity, high strength, versatile, easy to formulate
Y-15990	~2,500	Low viscosity, high hydrophobicity, excellent candidate to consider for waterproofing products

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