MANTA

Technical Data Sheet

Version: 1.0

Manta SPUR M3015

Silylated Polyurethane

Description

Manta SPUR M3015 is a silylated polyurethane (SPUR) resin for one-component, moisture-curing sealants and adhesives. It offers broad formulation latitude, strong adhesion to a variety of surfaces, good chemical and weathering resistance, good elastic recovery and long shelf life.

Typical Physical Properties

Manta Code:	SPUR M3015
Chemical Name:	Silylated polyurethane resin
Appearance:	Slightly yellow viscous liquid
Boiling Point:	> 250 °C
Viscosity (25 °C):	90,000 – 120,000 mPa·s
Density (25 °C):	1.02 – 1.05 g/cm³
Modulus:	Low

Properties

- Plasticizer-free resin
- Low modulus for sealants with high elastic recovery
- Broad formulation latitude
- Strong adhesion to a variety of surfaces
- Good chemical and weathering resistance
- Good elastic recovery
- Long shelf life

Applications

Manta SPUR M3015 contains no plasticizer and can be used as the base resin for low-modulus sealants and adhesives with high elastic-recovery requirements, for example:

- Joints in prefabricated concrete (PC) construction
- Road joint and crack repair
- Building joint repair
- High-transparency glass sealing
- Industrial joints with high movement requirements

Processing

The silane groups of Manta SPUR M3015 react with atmospheric moisture. Store and process the resin with moisture excluded; dry fillers before use and add a water scavenger such as vinyltrimethoxysilane (VTMO) to obtain adequate shelf life of the formulated product.
Curing is typically accelerated with organotin or amine catalysts; catalyst type and level should be determined in the specific formulation.

Packing

50 kg plastic drum with aluminum-foil liner bag;

200 kg drum with aluminum-foil liner bag;

1,000 kg IBC (tote);
Other pack sizes available on request.

Safety and Storage

Store in the tightly closed original container in a cool, dry place, protected from moisture and direct sunlight. Shelf life: 12 months from the date of production when stored as recommended. The product is classified as non-hazardous. Refer to the current Safety Data Sheet (SDS) for safety, handling and transport information.

Note: The values in this data sheet are typical values and are not intended for use in preparing specifications. Users should test the product to determine its suitability for their specific application.

Contact Information

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