



WID 20170822K01SPM40SG

Technical Specification Data Sheet

SPM40SG Hybrid Polymer Sealant

DESCRIPTION:

Wintec® Innovation SPM40SG is a Silane Terminated Polyether based Hybrid sealant / adhesive with unique properties. It is environmentally Green, non-toxic, colour stable and incorporates all the positive features of Polyurethane and Silicone Sealants all in one product. SPM40SG adheres to an array of materials including metals, wood, polyurethane foams and glass reinforced plastic. This sealant is **ISOCYANATE FREE**.

KEY FEATURES:

- Performance unaffected by climatic temperature extremes
- Latest technology manufactured in South Africa
- Outstanding UV and weather resistance
- Does not yellow or harden with age
- Excellent primerless adhesion (*surface must be clean and dust – free*)
- Over paintable and non-staining
- Non-bubbling during and after cure
- Available colour: Grey
- Shore A hardness 25 – Tough and flexible

PRINCIPAL APPLICATIONS AND USES:

SPM40SG is suitable for demanding applications where the best sealant is required, but at the price of conventional PU and Silicone sealants. **Wintec® Innovation** has developed this sealant for use with all Winblok® and Winslot® System glazing applications.

It may also be used primerless on a wide variety of other substrates such as insulation panels, truck body construction, chromadek sheeting and glass as well as general construction joints where a bubble-free sealant is required.

It is non-staining on Marble and Granite.

It can also be used for Marine applications such as deck sealants.

SPM40SG may be used for many bonding applications where high strength combined with flexibility is required.



WID 20170822K01SPM40SG

Technical Specification Data Sheet

SPM40SG Hybrid Polymer Sealant

DETAILED SPECIFICATIONS:

BASE	: STPE (one part resin)
COLOURS	: Grey
NON-VOLATILE MATTER	: 100% solids
MASS PER LITRE (DENSITY)	: 1,55kg per litre
MODULUS 100% E	: (DIN 53504) 0,4 N/mm ²
TENSILE STRENGTH	: (DIN 53504) 1,2 N/mm ²
ELONGATION AT BREAK	: (DIN 53504) > 300%
MOVEMENT CAPABILITY	: 25%
VOC	: <1%
SKINNING TIME	: 60 – 90 minutes @25° C and 50% RH
RECOVERY 100% EXTENSION	: (DIN 52548) 90%
CLEAN UP SOLVENT	: C411 Toluene solvent
HARDNESS (Shore A 25° C)	: (DIN 53505) 20 - 25
STORAGE LIFE	: 12 months in original packing cool and dry

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE LIMITS	: -20° to +90° C
STORAGE TEMPERATURE LIMITS	: 5° to 40° C
APPLICATION TEMPERATURE LIMITS	: 5° to 35° C
SHIPPING CLASSIFICATION	: Non-flammable, non- toxic ingredients
PACKING	: 600ml Foil Sausages, 20 per box

CURE MECHANISM:

SPM40SG cures via the reaction with atmospheric moisture. The expected cure thickness is shown in Figure 1 for curing at 25 °C and 50% relative humidity. Higher humidity and temperature will lead to a faster cure rate.

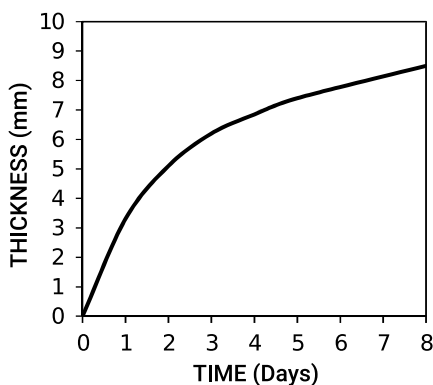


Figure 1: Cure rate of SPM40SG Hybrid Sealant



The information contained in this technical data sheet is to the best of our knowledge correct. NO GUARANTEE IS EXPRESSED OR IMPLIED. Users must satisfy themselves as to the efficacy of the product in their application.

www.wintecinnovation.co.za

0861 555 180