



# SiMP®Seal 60 HV

One-part SiMP elastic structural, windshield & assembly, adhesive  
Free of solvent and isocyanates

FMVSS 212 certified  
Euro-NCAP frontal impact sled condition conform  
(European New Car Assessment Programme)

## Description

SiMP®Seal 60 HV is a Primerless, high tack, windshield/assembly adhesive based on Silyl-Terminated Polymer. Specifically formulated with a high viscosity which confer to the product an excellent high initial tack. It combines very high holding power to excellent mechanical cohesion properties.

## Areas of Application

Direct glazing and general structural elastic bonding adhesive. The high green strength and non-sag properties make it ideal for quick bonding of windscreen, side and rear windows on vehicle bodies. Equally suitable for structural elastic bonding, assembly of various materials exposed to high thermal and dynamic stress, in the transportation Industry. Application examples include: assembling of insulated panels; vibration-proof bonding and sealing on components made of steel, aluminium, wood, GRP and other plastics materials and painted surfaces in the, automotive OEM, transportation (coach, caravan, refrigerated vehicles, containers) and marine.

## Advantages

- Free from Isocyanates, Silicone, Solvents and PVC
- Odourless
- Primerless adhesion to glass, metals and plastics
- Excellent weathering resistance - extremely good colour stability and UV resistance
- Non-sag consistency - Exceptional thixotropy
- Highest green strength (high initial tack) values
- Vibration and sound damping properties
- Increase torsional stiffness of final assembly
- Over-paintable wet on wet with many water, solvent based paints (preliminary tests recommended)
- No Hazard symbol required



DESIGN AND PRODUCTION  
BY CERTIFIED QUALITY SYSTEM  
UNI EN ISO 9001:2008



**NPT** S.r.l.  
NEW POLYURETHANE TECHNOLOGIES

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P. IVA IT-03467421206 - R.E.A. BO-521497



## Technical data

<b>Appearance</b>	Thixotropic paste
<b>Colour</b>	Black
<b>Chemical nature</b>	SiMP - Silyl Terminated Polymer
<b>Curing Mechanism</b>	Moisture-curing
<b>Curing through volume [mm]</b> (after 1 day at 23°C and 50% r.h.)	ca. 3,0
<b>Shore A hardness [N/mm<sup>2</sup>]</b> (DIN 53505)	ca. 57
<b>Density [g/cc]</b> (NPT method 06)	ca. 1,45
<b>Tack-free time [min]</b> (23°C and 50% r.h.)	ca. 15
<b>Elastic modulus at 100% [N/mm<sup>2</sup>]</b> (ISO 37 DIN 53504)	ca. 2,3
<b>Tensile strength [N/mm<sup>2</sup>]</b> (ISO 37 DIN 53504)	ca. 3,3
<b>Elongation [%]</b> (ISO 37 DIN 53504)	ca. 260
<b>Application temperature [°C]</b>	from +5 to +40
<b>Temperature Resistance [°C]</b>	-40/+100, with brief points at +120



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## Drive-away information

- Drive Away Time: 1 hour (throughout operating window of  $-5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ ) - test without primer.
- On vehicles fitted with both driver and passenger airbags

SiMP®Seal 60HV meets Federal Motor Vehicle Safety Standards and all long term durability requirements according to the full range of N.P.T laboratory and Crash Test Data.

## Application

Surfaces must be clean, dry, free of water, oil, grease or rust and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper or hard brush. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent. Cleaners and/or primers may be required to achieve optimal adhesion.

## Cleaning of equipment

Clean tools with acetone or alcohol immediately after use. Cured material can only be removed mechanically.

## Personal protective measures

Keep out of reach of children. If skin contact occurs, remove immediately and wash with soap and water

## Packaging

PE-cartridge 290ml:	12 cartridges per box
Alu- bags 400 ml.	12 bags per box (on request)
Alu- bags 600 ml.	20 bags per box



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## Storage

SiMP®Seal 60 HV can be stored for 12 months in its original packing (unopened container) at 5°- 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

## General Information

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. NPT srl, however, guarantees constant product quality. NPT srl, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET BEFORE USING THE PRODUCT.



ISO 9001

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