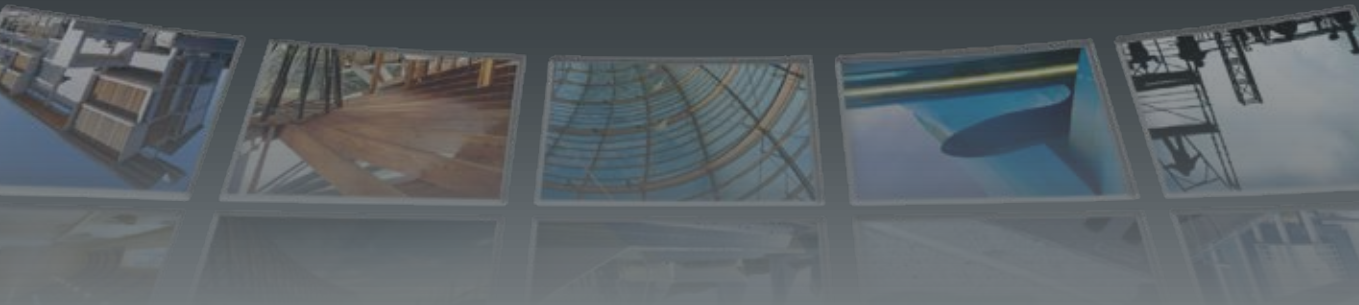


# ADHESIVES & SEALANTS

FOR CONSTRUCTION  
AND WOODWORKING





**NPT** S.r.l.  
SEALING AND BONDING SOLUTIONS

## The company

New Polyurethane Technologies (NPT), based in Italy, has been developing and producing high performance adhesives and sealants for over 20 years. From the beginning our goal has been to offer innovative, advanced technological solutions to meet the needs of the global marketplace. NPT has a strong team that works together to deliver the highest value in terms of customer satisfaction, innovation and sustainability.

NPT is supported by a talented and highly motivated research department featuring modern, up-to-date equipment, the latest analytical tools and impressive pilot plant facilities. NPT will work with you to develop tailor-made products that not only improve your products and processes but do it in a way that is both user and environmentally friendly.

In terms of NPT's unique product offerings, consider the example of NPT's patented EcoSiMP technology. This is the technology developed by NPT that enabled us to offer the first silane adhesives and sealants that were both methanol and tin-free. The EcoSiMP technology combines all the advantages of silane chemistry with the added benefit of eliminating tin catalysts and the evolution of methanol during cure. It is the latest example of NPT's cutting edge technology that offers our customers products that are more user friendly with less environmental impact than existing products.

NPT's workforce is highly skilled, committed to safety, product quality and continuous improvement. Our manufacturing plants feature highly automated material handling, drying and mixing systems. These are attributes that combine to ensure that our customers will benefit from new and innovative products produced in a safe and cost effective manner both now and in the future.

NPT is a rapidly growing business serving customers on a global basis. In fact, the vast majority of our business lies outside of Italy. In spite of the distances involved, NPT develops and maintains close relationships with both customers and prospects. We want to grow profitably together with customers or partners that value our quality, service and expertise and appreciate the professional and collaborative manner in which we conduct business. NPT works hard to understand your objectives, know your priorities and deliver what you need with superior quality and service.



Today NPT is a leader in the production of reactive, high performance bonding and sealing solutions because of the strong foundation built on our key competencies. NPT designs and manufactures its own base polymers. Because we are basic in both polyurethane and silane-modified polymer technologies, NPT has become a leader in the development of unique, high performance bonding and sealing solutions based on these chemistries.

We serve customers in over 50 countries and have become a valuable partner, especially on a private label basis.

### **Polyurethane:**

U-Seal and U-Bond are our trade names for products based upon NPT's polyurethane technology.

Features:

- Very high tear and abrasion resistance
- Fast curing properties
- High joint movement capabilities
- Good shock, peel, load and vibration resistance.
- High dynamic stress absorption
- Good adhesion to a wider variety of substrates
- Paintable

### **Silyl-Modified Polymer (Hybrid):**

SiMP® Seal and S-Bond are our trade names for products based upon NPT's Silyl Modified polymer technology.

Features:

- Very high resistance to UV degradation and weathering
- Excellent primerless adhesion to a wide range of substrates
- Permanently elastic over a wide temperature range
- Paintable
- Outstanding mechanical properties
- Solvent and isocyanate free
- Good mould resistance
- Adhesion to wet surfaces

## **Adhesives & sealants for construction and woodworking**

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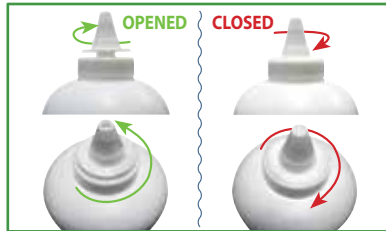
**NPT** S.r.l.  
SEALING AND BONDING SOLUTIONS

## U-Bond 301 & 304

**One-part liquid PU adhesive transparent, D4 Certified.**

U-Bond 301 & 304 are one-part, solvent-free, formaldehyde-free moisture curing polyurethane adhesives which cures to a very strong adhesive with excellent resistance to water, temperatures, weathering and ageing conditions according to EN 204 D4. For medium/long working time U-Bond 301 is the standard version, while U-Bond 304 is the ideal choice where fast production and short clamping times are required.

- One-part adhesive, solvent and formaldehyde free
- Fast grab and high shear strength even in the most severe conditions (D4 compliant)
- Amber colored
- Easily applied by roller, trowel or spray
- Very quick grab, short clamping time (U-Bond 304)



### CERTIFICATES AND COMPLIANCES:

#### DIN-EN-204-D4

(waterproof application for wood adhesives)

#### WATT 91

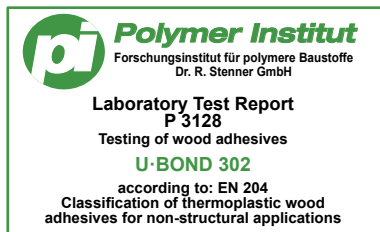
(resistance to high temperatures)

## U-Bond 302

**One-part liquid PU adhesive transparent, D4 Certified.**

U-Bond 302 is specially formulated to be the transparent adhesive for invisible bonding, where it is important to avoid the appearance of glue squeeze-out, or even the presence of a glue line. U-Bond 302 is the best general-purpose product among the U-Bond liquid PU adhesives.

- One-part adhesive, solvent and formaldehyde free
- Fast grab and high shear strength even in the most severe conditions (D4 certified)
- Transparent
- Easily applied by roller, trowel or spray



### CERTIFICATES AND COMPLIANCES:

#### DIN-EN-204-D4

(waterproof application for wood adhesives)

#### WATT 91

(resistance to high temperatures)

NOTES



### TECHNICAL DATA

• Color	Amber <input type="radio"/>
• Film Formation Time (23°C and 50% r.h.)	15' - 25' (U-Bond 301) 5' - 10' (U-Bond 304)
• Pressing Time	60'
• Shear Strength-D1 (EN 204 D1)	≥ 10 N/mm <sup>2</sup>
• Shear Strength-D4 (EN 204 D4)	≥ 4 N/mm <sup>2</sup>
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)
• Complete Curing	24h

#### Packaging

500/1000 gr PE bottle; 200 lt drum; 1000 lt tank;

NOTES



### TECHNICAL DATA

• Color	Transparent <input type="radio"/>
• Film Formation Time (23°C and 50% r.h.)	10' - 14'
• Pressing Time	60'
• Shear Strength-D1 (EN 204 D1)	≥ 10 N/mm <sup>2</sup>
• Shear Strength-D4 (EN 204 D4)	≥ 4 N/mm <sup>2</sup>
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)
• Complete Curing	24h

#### Packaging

500/1000 gr PE bottle; 200 lt drum; 1000 lt tank;

# U-Bond 400 FR

**One-part liquid PU fiber-reinforced adhesive, D4 Compliant.**

U-Bond 400 FR is a one-part, solvent and formaldehyde-free moisture curing polyurethane adhesive reinforced with glass micro fibres. U-Bond 400 FR has a long open time and cures to a very strong adhesive with excellent resistance to water, temperatures, weathering and ageing conditions. Because U-Bond 400 FR is fiber-reinforced, it has excellent gap-filling and bridging properties, and can be applied as a bead.

- One-part adhesive, solvent and formaldehyde free
- Long open time and low volume expansion (low foaming)
- Outstanding grab and high shear strength even in the most severe conditions (D4 compliant)
- Off-white colored
- Easily applied by roller or trowel



### CERTIFICATES AND COMPLIANCES:

#### DIN-EN-204-D4

(waterproof application for wood adhesives)

#### WATT 91

(resistance to high temperatures)

# S-BOND W4

**High-performance, All-Purpose one-part SiMP® flexible adhesive.**

S-BOND W4 is a ready-to-use one-part solvent and isocyanate free moisture curing instant repair flexible adhesive based on SiMP® Silane cross-linking polymer. S-BOND W4 has a short open time that allows positioning and cures to a very strong flexible adhesive with excellent resistance to water and temperatures. Compared to other adhesives, it has excellent gap-filling properties, and can be applied in different industrial process as well as in manual applications.

- One-part adhesive, solvent isocyanate and phthalates free
- High strength flexible bonding even in the most severe conditions
- Translucent
- Safe and easy to use; does not stick on fingers
- Does not foam or shrink
- Adhesion on many different substrates
- Easily applied by bead, spatula or spray



### NOTES



### TECHNICAL DATA

• Color	Off-White <input type="radio"/>
• Film Formation Time (23°C and 50% r.h.)	15'
• Pressing Time	60'
• Shear Strength-D1 (EN 204 D1)	≥ 10 N/mm <sup>2</sup>
• Shear Strength-D4 (EN 204 D4)	≥ 4 N/mm <sup>2</sup>
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)
• Complete Curing	24h

**Packaging**  
700gr bottle; 200 lt drum; 1000 lt tank;

### NOTES



### TECHNICAL DATA

• Color	Amber translucent <input type="radio"/>
• Tack-Free Time (23°C and 50% r.h.)	1'
• Gap Filling Tolerance	Max 2mm
• Lap Shear Strength-D1 (EN 204 wood to metal)	≥ 8 N/mm <sup>2</sup>
• Lap Shear Strength-D4 (EN 204 wood to plastic)	≥ 4 N/mm <sup>2</sup>
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +120 (°C)

**Packaging**  
10gr tube; 300gr cartridge; 200 lt drum;

## U-Bond 305

**One-part urethane paste adhesive, D4 Certified.**

U-BOND 305 is a one-part, solvent-free, formaldehyde-free moisture curing polyurethane adhesive which cures to a very strong "grab" adhesive with excellent resistance to water, temperatures, weathering and ageing conditions. U-Bond 305 has excellent gap-filling and bridging properties, and is suitable for application by bead or notched trowel.

- One-part adhesive, solvent and formaldehyde free
- Fast grab and high shear strength even in the most severe conditions (D4 certified)
- Beige colored
- Easy-to-use with normal caulk gun
- Excellent adhesion on numerous substrates
- Very good gap filling; low foaming



### CERTIFICATES AND COMPLIANCES:

#### DIN-EN-204-D4

(waterproof application for wood adhesives)

#### WATT 91

(resistance to high temperatures)

## U-Bond 307 FC

**One-part, fast-curing urethane paste adhesive, D4 Certified.**

U-BOND 307 FC is a one-part, fast curing, solvent-free, formaldehyde-free moisture curing polyurethane adhesive which cures to a very strong "grab" adhesive with excellent resistance to water, temperatures, weathering and ageing conditions. U-Bond 307 FC has excellent gap-filling and bridging properties, and is suitable for application by bead or notched trowel.

- One-part adhesive, solvent and formaldehyde free
- Super Fast setting
- High shear strength even in the most severe conditions (D4 certified)
- Beige colored
- Easy-to-use with normal caulk gun
- Excellent adhesion on numerous substrates
- Very good gap filling; low foaming

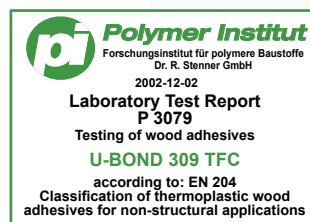
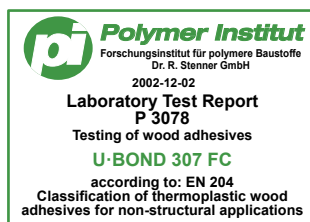
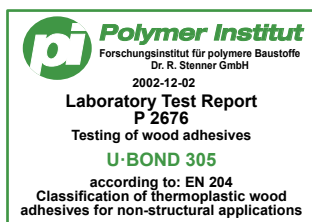
### CERTIFICATES AND COMPLIANCES:

#### DIN-EN-204-D4

(waterproof application for wood adhesives)

#### WATT 91

(resistance to high temperatures)



NOTES

### TECHNICAL DATA

• Color	Beige <input type="radio"/>
• Film Formation Time (23°C and 50% r.h.)	4' - 8'
• Initial Setting Time	25'
• Final Setting Time	24h
• Shear Strength-D1 (EN 204 D1)	≥ 10 N/mm <sup>2</sup>
• Shear Strength-D4 (EN 204 D4)	≥ 4 N/mm <sup>2</sup>
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)
<b>Packaging</b> 310 ml cartridge; 200 lt drum;	



NOTES

### TECHNICAL DATA

• Color	Beige <input type="radio"/>
• Film Formation Time (23°C and 50% r.h.)	3' - 6'
• Initial Setting Time	15'
• Final Setting Time	24h
• Shear Strength-D1 (EN 204 D1)	≥ 10 N/mm <sup>2</sup>
• Shear Strength-D4 (EN 204 D4)	≥ 4 N/mm <sup>2</sup>
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)
<b>Packaging</b> 310 ml cartridge; 200 lt drum;	

# U-Bond 309 TFC

**One-part urethane paste adhesive, Translucent and Fast Curing, D4 Certified.**

U-BOND 309 TFC is a one-part, translucent, fast curing, solvent-free, formaldehyde-free moisture curing polyurethane adhesive which cures to a very strong "grab" adhesive with excellent resistance to water, temperatures, weathering and ageing conditions. U-Bond 309 TFC has excellent gap-filling and bridging properties, and is suitable for application by bead or notched trowel.

- One-part adhesive, solvent and formaldehyde free
- Super Fast setting
- High shear strength even in the most severe conditions (D4 certified)
- Translucent
- Excellent adhesion on numerous substrates
- Very good gap filling; low foaming



## CERTIFICATES AND COMPLIANCES:

### DIN-EN-204-D4

(waterproof application for wood adhesives)

### WATT 91

(resistance to high temperatures)

## Applications of U-Bond D4 paste adhesives

U-Bond D4 paste adhesives are specifically designed for high mechanical resistance in assembly and outdoor applications for woodworking, building & construction and joinery.



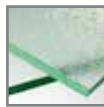
**Wood and plywood**



**Ceramic and tiles**



**Drywall and panels**



**Glass and mirrors**



**Brick and concrete**



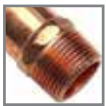
**Steel and aluminum**



**Stone and marble**



**Treated metals**



**Copper and brass**



**Polycarbonate and PMMA/acrylic**



**PVC and plastics**



**Fiberglass and other resins**



## NOTES

### TECHNICAL DATA

• Color	Translucent <input type="radio"/>
• Film Formation Time (23°C and 50% r.h.)	5' - 8'
• Initial Setting Time	20'
• Final Setting Time	24h
• Shear Strength-D1 (EN 204 D1)	≥ 10 N/mm <sup>2</sup>
• Shear Strength-D4 (EN 204 D4)	≥ 4 N/mm <sup>2</sup>
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)

**Packaging**  
310 ml cartridge; 200 lt drum;

## U-Seal 907

**One-part, non-sag polyurethane construction sealant.**

U-Seal 907 is a permanently elastic, one component, gun grade polyurethane construction sealant. It is a low modulus sealant with excellent adhesive properties and resistance to ageing and weathering. U-Seal 907 is designed for the sealing of vertical expansion and construction joints.

- Accommodates joint movement of +/- 25%
- Permanently elastic over a wide range of temperatures
- Easy to gun, easy to tool
- Good adhesion on all typical construction materials



### CERTIFICATES AND COMPLIANCES:

**ISO 11600/F/25LM, DIN 18540/F, ASTM C920-11**  
(building construction sealants: classification and requirements)

**BS 6920-1:2000**  
(suitability for use in contact with water for human consumption)

**ASTM C920, Type S, Grade NS, Class 25, Use NT DIN 11431**  
(various standards on joint sealants)

## SiMP® Seal 20

**One-part Hybrid polymer low modulus construction sealant.**  
**Free of solvent and isocyanates.**

SiMP®-Seal 20 is a one-part Silyl-Terminated Polymer permanently elastic construction sealant. It is a low modulus sealant with excellent adhesive properties and resistance to ageing and weathering. Suitable for sealing of expansion and construction joints in vertical and horizontal applications.

- No bubble formation. Odorless
- Permanently elastic over a wide range of temperatures
- Accommodates joint movement of +/- 25%
- Easy to gun, easy to tool
- Good adhesion on all typical construction materials
- Excellent resistance to ageing and weathering



### CERTIFICATES AND COMPLIANCES:

**ISO 11600/F/25LM, DIN 18540/F, ASTM C920-11**  
(building construction sealants: classification and requirements)

**BS 6920-1:2000**  
(suitability for use in contact with water for human consumption)

**ASTM C920, Type S, Grade NS, Class 25, Use NT DIN 11431**  
(various standards on joint sealants)

### NOTES



### TECHNICAL DATA

• <b>Standard Colors</b>	<b>White, Grey, Black</b> Full color range is available on customer request
• <b>Cure rate</b> (23°C and 50% r.h.)	<b>2 mm/24h.</b> Full cure at 6 mm deep is 2 - 3 days
• <b>Shore A</b> (23°C and 50% r.h.)	<b>25</b>
• <b>Tack-Free Time</b> (23°C and 50% r.h.)	<b>120' - 140'</b>
• <b>Elastic modulus at 100% extension</b> (ISO 37 DIN 53504)	<b>≤ 0,4 N/mm<sup>2</sup></b>
• <b>Elongation</b> (ISO 37 DIN 53504)	<b>≥ 700 %</b>
• <b>Joint movement capability</b>	<b>+/- 25 %</b>
• <b>Application Temperature</b>	<b>from +5 to +40 (°C)</b>
• <b>Temperature Resistance</b> (after curing)	<b>-40 to +90 (°C)</b>
<b>Packaging</b>	<b>310 ml cartridge; 400/600 ml sausage; 200 lt drum;</b>

### NOTES



### TECHNICAL DATA

• <b>Colors</b>	<b>White, Grey, Black</b>
• <b>Cure rate</b> (23°C and 50% r.h.)	<b>2 mm/24h</b>
• <b>Shore A</b> (23°C and 50% r.h.)	<b>20</b>
• <b>Tack-Free Time</b> (23°C and 50% r.h.)	<b>120' - 140'</b>
• <b>Elastic modulus at 100%</b> (ISO 37 DIN 53504)	<b>≤ 0,4 N/mm<sup>2</sup></b>
• <b>Elongation</b> (ISO 37 DIN 53504)	<b>≥ 600 %</b>
• <b>Joint movement capability</b>	<b>25 %</b>
• <b>Application Temperature</b>	<b>from +5 to +40 (°C)</b>
• <b>Temperature Resistance</b> (after curing)	<b>-40 to +90 (°C)</b>
<b>Packaging</b>	<b>290ml cartridge; 400/600 ml sausage; 200 lt drum;</b>



## U-Seal 500

**One-part, non-sag polyurethane multipurpose sealant and elastic adhesive.**

U-Seal 500 is a high performance, dual purpose adhesive and sealing compound with permanent elasticity. It bonds well to a wide variety of substrates and enables permanent elastic sealing with high adhesive strength. Suitable substrates are: concrete, wood, metal, painted surfaces and plastics. Suitable for the sealing of vertical and horizontal expansion and construction joints.

- Permanently flexible and stable
- Bonds and seals at the same time
- Excellent resistance to ageing and weathering for outdoor use
- Paintable



### CERTIFICATES AND COMPLIANCES:

**ISO 11600/F/25HM, ASTM C920, Type S, Grade NS, Class 25, Use NT**  
(building construction sealants: classification and requirements)

## SiMP® Seal 30

**One-part Hybrid polymer non-sag sealant and elastic adhesive.**  
**Free of solvent and isocyanates.**

SiMP®-Seal 30 is a one-part Silyl-Terminated Polymer elastic sealant suitable for all applications in industry and construction. SiMP®-Seal 30 can be used in the building industry for sealing and joining a variety of materials including joints in sheet metal fabrication, duct-work and general fabrication.

- Odorless
- No bubble formation
- Primerless adhesion on almost all substrates
- Excellent weathering resistance, color stability and UV resistance
- Easy tooling with excellent surface appearance
- Neutral behavior, does not attack substrate
- Paintable



### CERTIFICATES AND COMPLIANCES:

**ISO 11600/F/25HM, ASTM C920, Type S, Grade NS, Class 25, Use NT**  
(building construction sealants: classification and requirements)

### NOTES



### TECHNICAL DATA

• Colors	White, Grey, Black
• Cure rate (1 day at 23°C and 50% r.h.)	2,5 mm/24h
• Shore A (23°C and 50% r.h.)	40
• Tack-Free Time (23°C and 50% r.h.)	50' - 55'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 0,8 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 1,8 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 450 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +90 (°C)

**Packaging**  
310 ml cartridge; 400/600/1800 ml sausage; 200 lt drum;

### NOTES



### TECHNICAL DATA

• Colors	White, Grey, Black
• Cure rate (1 day at 23°C and 50% r.h.)	3 mm/24h
• Shore A (23°C and 50% r.h.)	35 - 40
• Tack-Free Time (23°C and 50% r.h.)	35' - 45'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 1,2 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 2,8 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 450 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)

**Packaging**  
290 ml cartridge; 400/600 ml sausage; 200 lt drum;

## U-Seal 816

**One-part, self-leveling polyurethane sealant.  
Resistant to hydrocarbons, oils and fuels.**

U-Seal 816 is an elastic one component self-leveling polyurethane sealant specifically designed as a multipurpose floor joint sealant or in applications where a high chemical resistance to fuels, oils and hydrocarbons is requested. It is a high modulus sealant with excellent resistance to ageing and weathering. U-Seal 816 is intended for the sealing of horizontal floor joints and for joints in concrete on or below grade; its self-leveling consistency enhances application and avoids the need for tooling.

- One part - no mixing on site
- Accommodates joint movement of +/- 25%
- Excellent resistance to many chemicals and to abrasion
- Very good adhesion to concrete, metals, ceramic tile, stone and other flooring materials



### CERTIFICATES AND COMPLIANCES:

**ISO 11600/F/25HM ASTM C920 Type S, Grade P, Class 25, Use T1 and I**  
(building construction sealants: classification and requirements)

#### BS 5212

(resistance to heat ageing and fuel immersion)

#### EN 14187-5, ASTM C1247

(resistance to hydrolysis for cold applied joint sealants)

## U-Seal 816 T

**One-part, non-sag polyurethane construction sealant.  
Resistant to hydrocarbons, oils and fuels.**

U-Seal 816 T is a permanently elastic, one component, gun grade polyurethane sealant specifically developed to be used as a multipurpose vertical joint sealant in applications where a high chemical resistance to fuels, oils and hydrocarbons is requested. It cures under the influence of atmospheric moisture to form a low modulus sealant with excellent adhesive properties and resistance to ageing and weathering.

- Permanently elastic over a wide range of temperatures
- Accommodates joint movement of +/- 25%
- Easy to gun, easy to tool
- Good adhesion on all typical construction materials
- Excellent resistance to ageing and weathering
- Excellent resistance to many chemicals and to abrasion



### CERTIFICATES AND COMPLIANCES:

**ISO 11600/F/25HM ASTM C920 Type S, Grade P, Class 25, Use T1 and I**  
(building construction sealants: classification and requirements)

#### BS 5212

(resistance to heat ageing and fuel immersion)

#### EN 14187-5, ASTM C1247

(resistance to hydrolysis for cold applied joint sealants)

### NOTES



### TECHNICAL DATA

• Color	Grey <input type="radio"/>
• Shore A (23°C and 50% r.h.)	26
• Tack-Free Time (23°C and 50% r.h.)	60' - 80'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 0,4 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 1,8 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 750 %
• Joint movement capability	+/- 25 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +90 (°C)

#### Packaging

600/1800 ml sausage; 7kg bag; 200 lt drum; 20 lt pail;

### NOTES



### TECHNICAL DATA

• Standard Colors	White, Grey, Black Full color range is available on customer request
• Cure rate (23°C and 50% r.h.)	2 mm/24h. Full cure at 6 mm deep is 2 - 3 days
• Shore A (23°C and 50% r.h.)	25
• Tack-Free Time (23°C and 50% r.h.)	120' - 140'
• Elastic modulus at 100% extension (ISO 37 DIN 53504)	≤ 0,4 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 700 %
• Joint movement capability	+/- 25 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +90 (°C)

#### Packaging

310 ml cartridge; 400/600 ml sausage; 200 lt drum;

# U-Primer110

## Moisture-curing primer for porous surfaces.

U-Primer 110 is a one-part polyurethane primer used to promote adhesion of U-Seal sealants to porous surfaces such as e.g. concrete, plaster, cement, drywall, gypsum, wood and plywood. The product penetrates the substrate, reinforces it, and eliminates residual dust. A thin layer of Primer110 is enough for the substrates to be sealed. In case of very porous surfaces U-Primer 110 should be applied in 2 coats.

- Primer 110 has a consumption of about 100 – 200 g/m<sup>2</sup> (0.3 – 0.4 gal/100 sq ft)



NOTES

### TECHNICAL DATA

- Color **Transparent**
- Solid content **30%**
- Drying time **10'**  
(23°C and 50% r.h.)
- Application Temperature **from +5 to +40 (°C)**
- Temperature Resistance **-40 to +90 (°C)**  
(after curing)

Packaging 500/1000 ml alu bottle;

## SiMP® Seal 55

**One-part Hybrid polymer elastic adhesive and sealant.  
Free of solvent and isocyanates.**

SiMP®-Seal 55 is a one-part Silyl-Terminated Polymer (SiMP®) elastic adhesive and sealant suitable for all applications in concrete and metal construction, bonding to a wide range of materials including concrete, brick, stone, marble, metals (also coated or treated), aluminium, brass, copper, glass, mirrors, FRP/GRP and many rigid plastics. Suitable in the building industry for sealing of joints in sheet metal fabrication and duct-work where a tough flexible rubber joint or a good elastic adhesive is required.

- Odorless
- No bubble formation
- Primerless adhesion on almost all substrates
- Excellent weathering resistance, color stability and UV resistance
- Easy tooling with excellent surface appearance
- Neutral behavior, does not attack substrate
- Paintable



### CERTIFICATES AND COMPLIANCES:

**EN 1186, EN 13130, CEN/TS 14234**  
(plastic materials in contact with foodstuff)

## SiMP® Seal 55 transparent

**One-part Hybrid polymer elastic adhesive and sealant.  
Free of solvent and isocyanates.**

SiMP®-Seal 55 transparent is a one-part, high modulus, Silyl-Terminated Polymer elastic adhesive and sealant. Being transparent, it is suitable for all visible applications and bonding of transparent elements like glass, polycarbonate and polymethylmethacrylate. Suitable also for sealing and bonding in aquariums (SiMP®-Seal 55 cures even under water), shop showcases for foodstuff and swimming pools.

- Transparent
- No bubble formation
- Primerless adhesion on almost every substrate
- Good weathering resistance, color stability and UV resistance
- It cures even under water
- Perfect adhesion on PVC



### CERTIFICATES AND COMPLIANCES:

**EN 1186, EN 13130, CEN/TS 14234**  
(plastic materials in contact with foodstuff)

### NOTES



### TECHNICAL DATA

• Colors	White, Grey, Black
• Cure rate (1 day at 23°C and 50% r.h.)	3 - 3,5 mm/24h
• Shore A (23°C and 50% r.h.)	55
• Tack-Free Time (23°C and 50% r.h.)	30'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 1,7 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 2,8 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 280 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)

Packaging  
290 ml cartridge; 400/600 ml sausage; 200 lt drum;

### NOTES



### TECHNICAL DATA

• Color	Transparent <input type="checkbox"/>
• Cure rate (1 day at 23°C and 50% r.h.)	2 mm/24h
• Shore A (23°C and 50% r.h.)	40 - 44
• Tack-Free Time (23°C and 50% r.h.)	20' - 30'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 0,6 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 2 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 400 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +80 (°C)

Packaging  
290 ml cartridge; 400/600 ml sausage; 200 lt drum;

## SiMP® Seal 57 HT

**One-part Hybrid polymer assembly adhesive for elastic structural bonding. Free of solvent and isocyanates.**

SiMP®-Seal 57 HT is a one-part, high modulus, Silyl-Terminated Polymer (SiMP®) elastic adhesive, with high viscosity and high initial tack (high grab and green strength). It is suitable for the assembly of different materials such as panels, ceramics, stone and marble slabs, and facades. As a powerful and versatile elastic structural adhesive, it bonds to a wide range of materials including wood, concrete, treated/untreated/coated metals (aluminum, steel, copper, brass), glass, mirrors, FRP/GRP, and many rigid plastics where a powerful, vibration- and shock- resistant adhesive is required.

- Odorless
- No bubble formation
- Primerless adhesion on almost all substrates
- Good weathering resistance, color stability and UV resistance
- Vibration and shock/impact resistant



## SiMP® High Tack

**One-part Hybrid polymer tack adhesive for elastic structural bonding. Free of solvent and isocyanates.**

SiMP® High Tack is a one-part, high modulus, Silyl-Terminated Polymer (SiMP®) elastic adhesive, with high viscosity and instant initial tack (high grab and green strength). It is suitable for the bonding and assembly of any nature of accessory or part on supports like concrete, brick, ceramics, stone, metal and any kind of panels. Perfecto to bond mirrors and hardware in bathrooms, garages, offices avoiding the use of screws, nails and any other kind of support.

- Odorless
- No bubble formation
- Primerless adhesion on almost all substrates
- Good weathering resistance, color stability and UV resistance
- Vibration and shock/impact resistant



NOTES



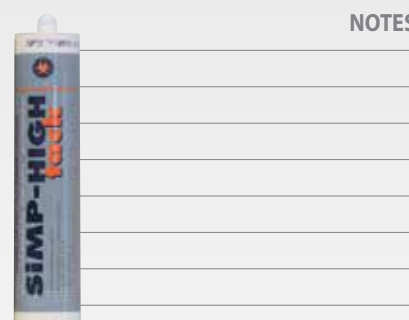
### TECHNICAL DATA

• Colors	White, Grey, Black
• Cure rate (1 day at 23°C and 50% r.h.)	3 mm/24h
• Shore A (23°C and 50% r.h.)	55
• Tack-Free Time (23°C and 50% r.h.)	25'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 2,2 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 3 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 240 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)

### Packaging

290 ml cartridge; 400/600 ml sausage; 200 lt drum;

NOTES



### TECHNICAL DATA

• Color	White <input type="radio"/>
• Cure rate (1 day at 23°C and 50% r.h.)	2,3 mm/24h
• Shore A (23°C and 50% r.h.)	62 - 67
• Tack-Free Time (23°C and 50% r.h.)	10'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 3,1 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 3,2 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 100 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +100 (°C)

### Packaging

290 ml cartridge; 400/600 ml sausage; 200 lt drum;

## SiMP® Coat 25

**Self-levelling, low viscosity liquid applied waterproofing membrane for spray and manual application.**

Formulated to combine the best of both silicone and polyurethane properties, including **very good UV resistance, broad range of adhesion and exterior durability.**

SiMP® Coat 25 is a premium, liquid and cold applied, one-part, Silyl-Terminated Polymer waterproofing and UV resistant membrane. It cures by reaction with ambient moisture to form a strong protective and self-leveling coating. SiMP® Coat 25 provides water vapor permeability, allowing the surface to breathe. Ideal for application by airless pump for fast and cost-efficient application in large areas like new or existing concrete floor slabs and roofs, large horizontal surfaces, waterproofing of wet areas, protection of masonry and vertical surfaces. Also suitable for manual application by brush, roller or spatula.

- Aliphatic hybrid polymer – Good UV resistance
- Single component
- Environmental friendly – Free of bitumen, isocyanates and solvents
- One component self leveling grade, ready to use.
- Bonds and cures in wet weather and on damp substrates, where water based products cannot.



## SiMP® Coat 45

**Self-levelling, medium viscosity liquid applied waterproofing membrane for manual application.**

Formulated to combine the best of both silicone and polyurethane properties, including **very good UV resistance, broad range of adhesion and exterior durability.**

SiMP® Coat 45 is a premium, liquid and cold applied, one-part, Silyl-Terminated Polymer waterproofing and UV resistant membrane. It cures by reaction with ambient moisture to form a strong protective and self-leveling coating. SiMP® Coat 45 provides water vapor permeability, allowing the surface to breathe. Ideal for application by brush or spatula in small-medium areas, for maintenance, repair, restoration and waterproofing in existing construction of concrete floors or any other roofing surface as well as wall-floor edges, connection, vertical applications, foundations, tanks. Suitable for application by roller for waterproofing of medium-large wet areas in both new and existing construction.

- Aliphatic hybrid polymer – Good UV resistance
- Single component
- Environmental friendly – Free of bitumen, isocyanates and solvents
- One component self leveling grade, ready to use.
- Bonds and cures in wet weather and on damp substrates, where water based products cannot.



NOTES



### TECHNICAL DATA

• Color	Light grey <input type="radio"/>
• Cure rate (1 day at 23°C and 50% r.h.)	2,5 mm/24h
• Shore A (23°C and 50% r.h.)	50
• Tack-Free Time (23°C and 50% r.h.)	25' - 30'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 2,0 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 3,2 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 250 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +90 (°C)

Packaging 7kg Alu bag; 200 lt drum;

NOTES



### TECHNICAL DATA

• Color	Light grey <input type="radio"/>
• Cure rate (1 day at 23°C and 50% r.h.)	2,5 mm/24h
• Shore A (23°C and 50% r.h.)	50
• Tack-Free Time (23°C and 50% r.h.)	25' - 30'
• Elastic modulus at 100% (ISO 37 DIN 53504)	≥ 2,0 N/mm <sup>2</sup>
• Tensile strength (ISO 37 DIN 53504)	≥ 3,2 N/mm <sup>2</sup>
• Elongation (ISO 37 DIN 53504)	≥ 250 %
• Application Temperature	from +5 to +40 (°C)
• Temperature Resistance (after curing)	-40 to +90 (°C)

Packaging 7kg Alu bag; 200 lt drum;

# Professional applicators

## **T-Gun Cartridge**

Manual gun for cartridges.

## **T-Gun Cartridge HV**

Manual gun for High Viscosity products cartridges.

## **T-Gun Foilbag 400**

Manual gun for sausages up to 400ml and cartridges.

## **T-Gun Foilbag 600**

Manual gun for sausages up to 600ml and cartridges.

## **T-Gun Air Foilbag 600**

Pneumatic gun for sausages up to 600ml.

## **T-Gun Air Cartridge+ Foilbag 400**

Pneumatic gun for sausages up to 400ml and cartridges.

## **T-Gun Air Cartridge+ Foilbag 600**

Pneumatic gun for sausages up to 600ml and cartridges.



**New Polyurethane Technologies**

**Sealing and Bonding Solutions**

edizione del 05.06.2014



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