



Adhesives and Sealants for the marine sector

For over 30 YEARS
High-performance adhesives and sealants





FOR OVER 30 YEARS HIGH PERFORMANCE ADHESIVES AND SEALANTS

New Polyurethane Technologies (NPT), based in Italy, has been developing and producing high performance adhesives and sealants for over 30 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 Advanced-SiMP, the first high-performance silyl-modified polymer adhesive that apart from being isocyanate and solvent free has low VOC emissions and superior mechanical properties. This unique combination of properties offers the alternative to manufacturers to reduce the use of isocyanates and produce in a more sustainable manner, complying with the stringent Regulations. Besides, Advanced-SiMP does not need substrate preparation for a better adhesion.

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.

We serve customers in over 70 countries and have become a valuable partner, especially on a private label basis.

In 2023 NPT became part of DuluxGroup, a renowned manufacturer and marketer of premium coatings and home paints, itself part of Nippon Paint Holdings, the top decorative coatings business in the Asia-Pacific region and the fourth largest globally. NPT has thus become the leading technological center for SAF within the group.



SiMP SEAL 55

Assembly of panels in synthetic fibers, gelcoat, plastic materials



SiMP SEAL 630

Installation of wooden and synthetic teak ship decks



G+S Cleaner
Surface treatment
maintenance



SiMP SEAL 640

Assembly of steel and sheet panels

SiMP SEAL 680 DC

Teak deck caulking



SiMP SEAL 650

Sealing between metal, plastics exposed to UV without discoloration



SiMP SEAL 60 HV SiMP SEAL 650 U-SEAL 207 PLUS

Installation of windshield and organic or mineral glass

ment, finishing,
are



Nautical - Main applications

APPLICATION	BONDING	SEALING
Installation of windshield and organic polycarbonate or acrylate glass	SiMP Seal 60 HV SiMP Seal 650	SiMP Seal 60 HV SiMP Seal 650
Installation of windshield and mineral glass	U-Seal 207 Plus SiMP Seal 60 HV SiMP Seal 650	U-Seal 207 Plus SiMP Seal 60 HV SiMP Seal 650
Surface treatment, finishing, maintenance care	G+S-Cleaner	G+S-Cleaner
Cleaning and pre-treatment of glass, windshield and non-porous materials	G+S-Cleaner	G+S-Cleaner
Pretreatment of mineral or organic glass surfaces and non-porous materials in general:	U-Primer 130 Activator 400 NP	U-Primer 130 Activator 400 NP
Assembly of steel and sheet panels	SiMP Seal 55 SiMP Seal 650 SiMP Seal 640 SiMP Seal 60 HV SiMP Seal 630	SiMP Seal 55 SiMP Seal 650 SiMP Seal 640 SiMP Seal 60 HV
Assembly of panels in synthetic fibers, gelcoat, plastic materials	SiMP Seal 55 SiMP Seal 650 SiMP Seal 640 SiMP Seal 60 HV SiMP Seal 630	SiMP Seal 55 SiMP Seal 650 SiMP Seal 640 SiMP Seal 60 HV
Production of sandwich elements and laminated panels for partition walls, doors, cladding panels	U-Bond 301 SiMP Seal 55 SiMP Seal 650 SiMP Seal 640 SiMP Seal 630 U-Bond 305	SiMP Seal 55 SiMP Seal 650 SiMP Seal 640
Assembly of metal or plastic elements indoors	SiMP Seal 55 SiMP Seal 650 SiMP Seal 630 U-Bond 305	SiMP Seal 55 SiMP Seal 650 SiMP Seal 640
Sealing between metal, plastics exposed to UV, without discoloration		SiMP Seal 650 SiMP Seal 640

Legend

SiMP

Polyurethane

Other



APPLICATION	BONDING	SEALING
Sealing before short-time overpainting		SiMP Seal 55 SiMP Seal 650 SiMP Seal 640
Sealing resistant to high temperatures overpainting (180°C)		SiMP Seal 650 SiMP Seal 640
Bonding and repair on polyolefins and plastics.	Acril-Bond Meta-Bond X-Bond	
Sound-absorbing applications, cavity filling, sound and vibration reduction	SiMP Seal 630	SiMP Seal 630
Extremely fast setting and complete polymerization assembly	SiMP 2K Fast U-Bond Ultra 2k 1&5 min. U-Bond Ultra 2k Assembly Acril-Bond Meta-Bond	
Applications with IMO certified fire resistance	SiMP Seal 55 SiMP Seal 650 U-Bond 301 SiMP Seal 630 SiMP Seal 640 SiMP Seal 680 DC	SiMP Seal 55 SiMP Seal 650 SiMP Seal 640 SiMP Seal 680 DC
Installation, repair, and refabrication of natural and synthetic teak or cork ship decks	SiMP Seal 630	SiMP Seal 680 DC
Quick-release assembly for fast handling	SiMP Seal 630 SiMP Seal 60 HV U-Bond 305 Accelerator	
Fixing of brackets to support panels, insulation, metal and synthetic pins	SiMP 2K Fast U-Bond Ultra 2k 1&5 min. U-Bond Ultra 2k Assembly	

Legend



SiMP
Polyurethane



Other



SiMP Seal 650

SIMP SEAL 650 grants long-lasting bonding and sealing for metals, wood, gelcoat, painted parts, HPL, various panels, and liquid-coated materials. It offers a wide adhesion spectrum, which can be enhanced with activators and primers. High UV resistance. Excellent viscosity and rapid load build-up.

Certified according to:

EUROFINS IAC GOLD protocol

ISEGA EC Regulation 1935/2004 for food contact

IMO Resolution MSC.307(88) – Annex 1 Part 5



SiMP Seal 640

With SIMP SEAL 640 it is possible to bond and seal a wide range of materials: suitable for ferrous and non-ferrous metals, wood, gelcoat, galvanized parts, and panels in general. It also bonds and seals PMMA, polycarbonate, liquid- and powder-coated materials, with a wide adhesion spectrum. UV resistant. Available in black, white, and grey.

Certified according to:

IMO Resolution MSC.307(88)-Annex 1, part 2&5.



SiMP Seal 630

SIMP SEAL 630 is a one-component adhesive specifically designed for bonding teak, cork, or other deck substrates, or for manufacturing sandwich panels. It adheres to a wide range of surfaces such as gelcoat, aluminum, fiberglass, and steel. Easy to spread, it maintains the vertical profile of the trowel application and remains elastic over time. Curing and walkability times can be reduced using our Accelerator.

Certified according to:

ISEGA EC Regulation 1935/2004 for food contact

IMO Resolution MSC.307(88)-Annex 1 Part 5



SiMP Seal 680 DC

SiMP Seal 680 DC is a watertight, saltwater and UV resistant one-component, low viscosity paste SiMP – Silyl Modified Polymer joint sealant for traditional marine timber decking. It cures under the influence of atmospheric moisture to form a caulk with excellent weather and salt/fresh water resistance and UV stability. Bubble-free curing, it is suitable for applications involving humid wood/teak. Solvent- and isocyanate-free.

Certified according to:

IMO Resolution MSC.307(88) - Annex 1 Part 5

Protocollo EMICODE EC1PLUS

Protocollo EUROFINS IAC GOLD



G+S Cleaner

G+S Cleaner is a water-based active foam cleaning agent, which removes dirt without leaving marks before application of NPT adhesives and sealants. Effective as smoothing agent on newly applied sealants surfaces leaving no traces and as dry cleaner for all surfaces



Activator 400 NP

Activator 400 NP is an activating agent specifically formulated for the pretreatment of substrates like plastics, metals and glass to improve adhesion of U-Seal and SiMP Seal adhesives. can be used on the following on plastics, fiberglass, painted surfaces and coatings steel, stainless steel, aluminum, copper, electrogalvanized steel, float glass and ceramic coated (frit) glass



U-Bond 305

U-Bond 305 is a one-component, solvent-free polyurethane paste adhesive that cures with moisture. It is suitable for the flexible bonding of wood, wood-based products, and various construction materials for general assembly. Being thixotropic, it is ideal for vertical applications without dripping. It offers excellent resistance to water, temperature, weathering, and aging in accordance with EN 204 D4.

Compliant with:

EN 204 D4



U-Bond 301

U-Bond 301 is a one-part, solvent-free moisture curing polyurethane liquid adhesive suitable for flexible bonding of wood, wood derivatives and different protection and insulation materials in sandwich panel assembly. Excellent resistance to water, temperatures, weathering and ageing conditions according to EN 204 D4.

Certified to:

IMO Resolution MSC.307(88)-Annex 1 Part 5





SiMP Seal 55

SiMP Seal 55 is a high quality and versatile elastic adhesive and sealant for elastic suitable for metals, wood, gelcoat, liquid-coated parts, HPL, and panels. It offers a good adhesion spectrum, which can be enhanced with activators and primers. Easy to spread, highly workable, and quick drying.v

Certified according to:

ISEGA EC Regulation 1935/2004 for food contact
IMO Resolution MSC.307(88)-Annex 1 Part 5
EN 45545-2 R1 & R7



SiMP Seal 60 HV

SiMP Seal 60 HV is a high decking, fast curing, primerless to glass flexible and high performance SiMP – Silyl Modified Polymer adhesive for vehicle glass direct glazing. It is specifically designed to give a fast and safe drive-away time on vehicles fitted with airbags in 1 hour.

Certified to:

TÜV Crash Test Drive Away Time: 1 hour on vehicles fitted with both driver and passenger airbags



SiMP 2K Fast

SiMP 2K Fast is a very fast strength build-up two-parts SiMP – Silyl Modified Polymer elastic assembly adhesive. Once mixed it cures to form a high-performance adhesive achieving high tensile strength in just 60 minutes. Solvent and isocyanate free, odorless.



Acril-Bond Meta-Bond

Acril-Bond: Two-component acrylic adhesive for thin, transparent bonds. Ideal for plastics, metals, glass, ceramics, carbon fiber, fiberglass, and painted surfaces. Cures quickly at room temperature, provides excellent strength, and is overpaintable.

Meta-Bond: Two-component thixotropic methacrylate adhesive for bonding diverse materials, including metals, plastics, ceramics, carbon fiber, fiberglass, and painted surfaces. Fast-curing, strong, and overpaintable once fully set.



U-Primer 130

U-Primer 130 is an adhesion promoting black primer (2 in 1) designed for the laminated ceramic frit and on all non-porous materials used in marine industrial assembly such as painted surfaces, FRP, plastics, glass, aluminum and metals.



U-Seal 207 Plus

U-Seal 207 Plus is a one-component, flexible and high-performance polyurethane adhesive with long open time for mineral glass bonding and general assembly. Resistant to UV radiation, weathering and ageing.

Compliant to:

Drive Away Time: 3 hours on vehicles fitted with both driver and passenger airbags



U-Bond Ultra 2K 1&5 min.

Plastic repair two-components polyurethane structural adhesive specially designed for bonding and gap filling in all plastic materials. Ideal for external parts and for treatment of scratches, holes and unions. Available 1' or 5' pot life version.



U-Bond Ultra 2k Assembly

Thixotropic polyurethane two-components structural adhesive specially designed for repair and assembly bonding between a wide range of materials like thermosetting polymers, thermoplastics, steel, aluminum and glass. Very fast room temperature curing.



Facilities



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