

Our service centre



National Seal Systems Limited

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SERVICE is our top priority

Consultation and service are among the core competencies of our company. In case you have any questions about the application of our adhesive systems and special cleaners, the consultants of our service centre would be pleased to provide you with professional advice. We take your questions seriously and show you how you can obtain ideal results.

Our consulting and professional services

- we help you to establish your specifications
- counselling on the selection of adhesives
- advice on the optimisation of the adhesive surface geometry
- proposals for the rationalisation of operational procedures
- recommendation of appropriate dosing devices, application and pressing techniques
- optimisation of workplaces while processing adhesives

Product properties and comparisons

PUR assembly adhesives, paste-like, slightly foaming

Adhesive system	Film properties	Colour	Film formation time dry	Moulding time +20 °C	Tensile shear strength [N/mm ²]
COSMO PU-100.110	viscoplastic	beige	5 min	15 min	10,5
COSMO PU-100.250	tough-hard	beige	3 min	10 min	14,0
COSMO PU-100.240	tough-hard	beige	90 min	240 min	13,5
COSMO PU-190.110	semi-hard	opaque	7 min	20 min	12,8
COSMO PU-100-270	semi-hard	grey-white	60 min	300 min	10,5

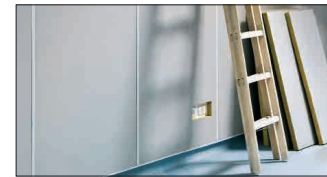
STP assembly adhesives, paste-like, non-foaming

Adhesive system	Film properties	Colour	Film formation time dry	Moulding time +20 °C	Tensile shear strength [N/mm ²]
COSMO HD-100.110	Shore 72 A	white	9 min	40 min	5,3
COSMO HD-100.160	Shore 45 D	beige	10 min	70 min	10,5
COSMO HD-100.200	Shore 90 A	beige	20 min	140 min	6,7
COSMO HD-150.110	Shore 57 A	transparent	14 min	75 min	3,8
COSMO HD-100.170	Shore 72 A	white	4 min	25 min	5,3

Private Label

Of course we also offer to produce and design our adhesive systems in your own branded edition. Our extreme flexibility and many years of experience guarantee an optimal realisation of your wishes. Benefit from reliable and high-quality products for your own brand. Do not hesitate to contact us!

Application examples



dry construction



partition walls



prefabricated house constructions



apparatus and plant engineering



wood processing



stair construction and reconstruction



solar and wind power stations



cable ducts



furniture construction



natural stone processing



vehicle construction



window construction



Assembly adhesives from high-strength to elastic

1-part adhesive systems
PUR and STP based



Assembly adhesives from high-strength to elastic

COSMO PU

Since many years, our PUR-based one-component adhesive systems have stood the test of time in almost all common assembly bonds. Even if extremely stressed, the adhesives bond your joints in a safe and stable way, no matter if for craft or industrial use.

COSMO HD

This new generation of adhesives and adhesive sealants has been developed by use of alternative resources. Contrary to common PUR adhesives for construction and assembly purposes with ingredients that are subject to mandatory labelling due to the regulation on dangerous substances, COSMO HD adhesives are non-hazardous alternative systems that do not require an additional labelling. Furthermore, the special structure of COSMO HD enables high-strength and elastic adhesive joints that are extremely important for permanent and leak-proof bonds of material with different coefficients of thermal expansion. The high tensile shear strength of our systems is another positive aspect that sets us apart from other common STP or MS-based adhesives. Our new adhesives and adhesive sealants are also available in euro cartridges and tubular bags that can be used with standard dispenser pistols.

No matter if you choose our traditional COSMO PU adhesives or the new COSMO HD adhesives: both product systems meet the highest quality standards "made by Weiss".

COSMO PU-100.110

The GENERALIST

- ✓ best all-round adhesive with an adhesion to a wide range of material
- ✓ viscoplastic adhesive joint
- ✓ fast and thorough curing
- ✓ D4 characteristics / WATT 91

COSMO PU-100.250

The RACER

- ✓ extremely fast curing
- ✓ very high tensile shear strength
- ✓ optimal heat and cold resistance
- ✓ processible at 0°C
- ✓ tough-hard adhesive joint
- ✓ D4 characteristics / WATT 91

COSMO PU-100.240

The PRO FOR DRY CONSTR.

- ✓ strong joint adhesive for various applications in dry construction
- ✓ high penetration into fibre structures of building slabs
- ✓ D4 characteristics

COSMO PU-190.110

The FIBER-REINFORCED ONE

- ✓ reinforced strength due to integrated fibreglass
- ✓ high and impact-resistant bond strength
- ✓ transparent adhesive joint
- ✓ D4 characteristics / WATT 91

COSMO PU-100-270

The LABEL-FREE ADHESIVE

- ✓ the alternative PUR-based adhesive that is not registered as hazardous
- ✓ not subject to the law against self-service sale acc. to the German Regulation on hazardous substances



Convincing PUR adhesives for safe applications - approved in many years of experience

Our PUR-based assembly adhesives have been approved for many years. They are perfectly suitable for almost all applications for assembly bonds and convince with special characteristics:

Special characteristics:

- for high-strength structural bondings
- optimal water and weather resistance
- high temperature resistance
- can be sanded and painted
- odourless
- solvent-free
- very good gap-filling
- slightly foaming
- fast and thorough reaction and curing



The new STP-based adhesive systems with convincing arguments

The new generation of innovative, label-free adhesives with alternative ingredients for the environmentally aware user:



Special characteristics:

- not subject to the law against self-service sale (DIY) acc. to the German Regulation on hazardous substances
- solvent-free
- silicone-free
- isocyanate-free
- heavy-metal-free
- very good UV stability / UV colour stability
- very good adhesion to various materials
- processible already at 0°C
- good gap-filling, almost without any shrink



COSMO HD-100.110

The ELASTIC & FIRM ADHESIVE

- ✓ especially for elastic-firm adhesive joints (Shore 72 A)
- ✓ universal adhesive, usable even without primer
- ✓ reliable curing even already at 0°C
- ✓ flame resistant

COSMO HD-100.160

The PREMIUM ADHESIVE

- ✓ for high-strength structural bonding
- ✓ extremely high adhesion (>10 N/mm²)
- ✓ impact-resistant and sandable adhesive joint
- ✓ WATT 91

COSMO HD-100.200

The PRO FOR DRY-CONSTR.

- ✓ a safe joint adhesive for environmentally aware users in the dry construction and pre-fabricated houses industry
- ✓ viscoplastic adhesive joint
- ✓ good UV colour stability and weather resistance

COSMO HD-150.110

The TRANSPARENT ADHESIVE

- ✓ for transparent, UV colour stable and weather resistant adhesive joints
- ✓ sealing adhesive
- ✓ for firm and elastic bonding

COSMO HD-100.170

The RACER

- ✓ fast and gap-filling all-round adhesive
- ✓ extremely fast reaction
- ✓ elastic adhesive joint
- ✓ can be painted when completely cured

Our Weiss 1-part reaction compounds are exactly the right solution for particularly tough and permanent bondings.

Thanks to our decades of industrial knowledge and knowhow we are able to create solutions that have succeeded in the market - that is typically Weiss!

Among a global range of approved adhesives our customers appreciate, we also offer you solutions that are exactly tailored to the needs of your special applications.

Please contact us. We appreciate to help you!

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