

Polyurethane adhesives - indispensable also in the future

Confirmation of course attendance required from 24 August 2023



TRAINING

ALTERNATIVES



GOOD REASONS FOR POLYURETHANE ADHESIVES

The necessary training does not pose a big challenge

Due to a huge number of excellent characteristics, polyurethane adhesives will be relevant also in the future. Here are some reasons why polyurethane adhesives are common in various branches and applications. In some cases of application, they cannot be substituted by other adhesives.



VERSATILITY

- + Outstanding, wide bonding spectrum on a variety of materials, including metals, building materials, plastics, wood and ceramics.
- + Gap-filling foaming characteristics (1C systems)



RESISTIVITY

- + Good resistivity to a large number of temporary loads with oils, solvents or other chemicals.
- + Short-term resistivity to high temperatures up to +230°C



HIGH STRENGTH

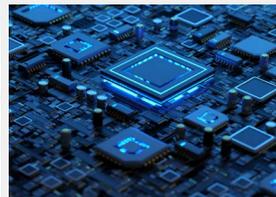
- + High tensile strength in the tough-hard range
- + Fast hardening
- + Very good bond strength at heat



BONDING OF WOOD

- + If wood is glued to wood, it achieves the durability class D4 as per EN 204.

All these properties make polyurethane adhesives to be an important option in many industrial applications, including building industry, automotive industry, aerospace, electronics, furniture industry and many other areas.



INTERESTED IN ONE TRAINING?

We are going to help you!

The necessary training does not pose a too big challenge. Furthermore, there is the possibility to do the training with internal company trainers.



Please find more details on the subject of training here:
www.weiss-chemie.com/sicherheit-pu



NOT INTERESTED IN A TRAINING?

Where possible, we are offering alternatives!

With our powerful hybrid adhesives, as well as some of our special polyurethane adhesives which are not subject to the obligation to training we are offering possible alternatives for many bonding applications.

Please find some possible alternatives on the right side.

ALTERNATIVES FOR POLYURETHANE ADHESIVES

Powerful hybrid adhesives (HD) & polyurethane adhesives (PU) that do not require any training



HIGH STRENGTH

Adhesive system	Viscosity [mPa*s]	Skimming time/ Pot life [min]	Shore hardness A	Tensile shear strength +20 °C [N/mm ²]	Fracture strain %	Colours
COSMO® HD-200.101	150,000	30	63	4.0	250	white, grey, black
COSMO® HD-200.121	215,000	11	63	3.5	280	grey
COSMO® HD-200.131	215,000	5	63	3.5	280	grey
COSMO® HD-100.500	100,000	9	72	2.0	135	white
COSMO® HD-100.800	1,200,000	9	74	3.0	130	white, beige, black
COSMO® PU-200.350	Low pasty	30	80	20		white
COSMO® PU-200.354	Low pasty	30	80	20		grey
COSMO® PU-200.900	Low pasty	25	80	13		beige



VERSATILITY

COSMO® HD-100.400	600,000	12	55	3.1	350	white, black, grey
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QUICKNESS

COSMO® HD-100.800	1,200,000	9	74	3.0	130	white, beige, black
COSMO® HD-100.170	75,000	4	72	4.0	75	white
COSMO® HD-200.132	200,000	5	61	3.5	230	black



CUSTOMISED

For individual advising, please, speak with our expert team

An overview of our range of products

Experience quality on a completely new level, with the powerful products by Weiss:



COSMO® Adhesives

Durably firm bond joints

COSMO® CA (Cyanoacrylates)
COSMO® PU (Polyurethane adhesives)
COSMO® CL (Cleaning agents)
COSMO® SL (Diffusion adhesives)
COSMO® HD (Hybrid adhesives)
COSMO® EP (Epoxy-resin adhesives)
COSMO® DS (Dispersion adhesives)
COSMO® SP (Service products)

Fields of application

- + Windows and doors
- + Transportation / Marine engineering
- + Industry
- + Assembly
- + Dry construction
- + Airtight bonding
- + Wood / Furniture industry
- + Container construction
- + Composite panels
- + Fire protection
- + Advertising industry

Do you have any questions?

**Our Service Center
Adhesives Division:**

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COSMO® Composite Panels

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COSMO® Silent (sound insulating)
COSMO® Protect (penetration-resistive)
COSMO® Design (grooved)
COSMO® Tech (individual)
COSMO® Frame (frame widening)

Fields of application

- + Window and façade
- + Door construction
- + Industry
- + Automotive manufacturing
- + Trailer construction
- + Partition panel construction
- + Gate construction
- + Container construction
- + Energy conservation
- + Fire protection
- + Burglar resistance
- + Sound proofing

Do you have any questions?

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Fields of application

- + FLOORING
- + Sanitary area
- + Clothing care
- + Food industry
- + Household and gastronomy
- + Windows and glass
- + Dishwasher
- + Carpet and upholstery
- + Industry and workshop
- + Cars
- + Skin cleaning
- + Skin protection

Do you have any questions?

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