



Architectural & Construction

We've got you covered

Product Catalogue



From constructive work, to bespoke paint and coating solutions

Today, we spend most of our time inside buildings – but how do we look after the materials and structures that keep us warm, dry, and safe? At Covestro, we believe continuous innovation is key to creating durable, productive paint and coating solutions that protect both these environments, and our collective environment: the earth.

Our expertise in resin technologies goes hand-in-hand with our purpose of pushing boundaries in the search for future-oriented solutions. By working together, we can enable paints, coatings and adhesives that meet the challenges of tomorrow, today.

Our solutions are here to help protect and enhance our interior and exterior environments. They enrich paints, coatings, and construction materials for substrates ranging from wood to concrete. With their high-performance properties, they make sure the materials around us can withstand the harshest outdoor conditions and interior wear and tear.

Status Next: Futureproofing your applications

Beautiful, functional interiors and exteriors aren't the only goal of our paint, coating and adhesives innovation. In line with our Status Next approach, we aim to go beyond the status quo and help you achieve new levels of circularity, productivity, and regulatory compliance.

Driving circularity with plant-based ingredients

Circularity and sustainability are important parts of a structure's functionality – especially given the growing effects of climate change. We put circularity at the core of our Architectural & Construction portfolio through solutions such as our **Decovery**® resins with up to 52% plant-based content.

Powering productivity with innovative technologies

To efficiently produce materials for architectural and construction applications, you need the right raw materials. That's where we can help. For example, our **Pasquick**® floor-coating solutions enable reduced coating layers and faster curing. This means higher productivity for contractors and a quicker return to operations for building users.

Keeping you ahead of the regulatory curve

Regulations around sustainability, safety, and health are continually evolving. We can help you keep pace with our solutions – such as our **Desmodur**® **Ultra** line crosslinkers with less than 0.1% residual monomer content. With these Next solutions, plus technical expertise you can rely on, you can stay one step ahead of the game.



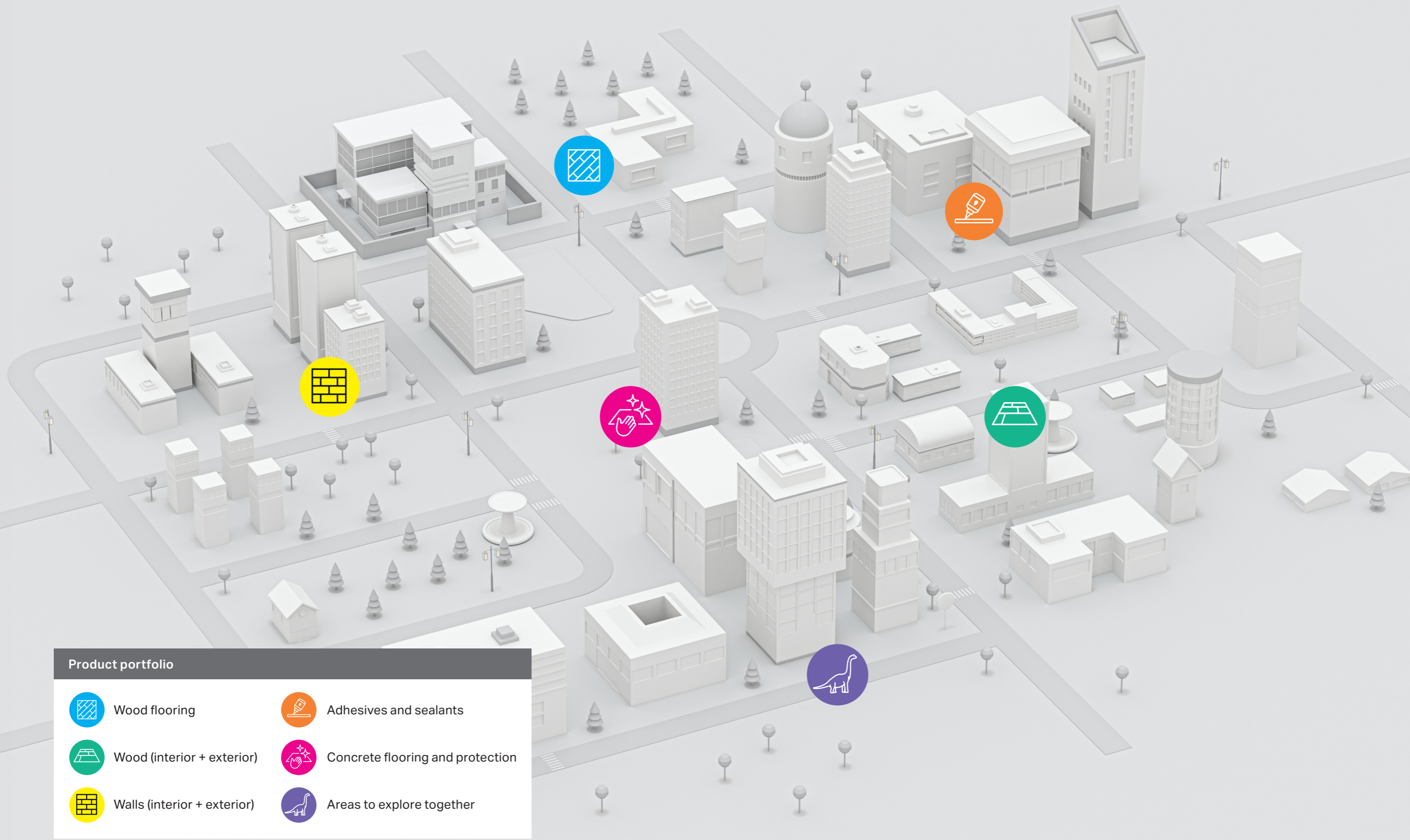
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Strategic segments for Architectural & Construction

Our resins are used in coatings and adhesives for wood, paints, stone, metal, concrete, plastics, and more, and these products are applied across businesses, homes, and public spaces.



Product portfolio

 Wood flooring	 Adhesives and sealants
 Wood (interior + exterior)	 Concrete flooring and protection
 Walls (interior + exterior)	 Areas to explore together

01

Wood flooring

Whether it's parquet or industrial flooring, coatings for wood flooring must be able to withstand mechanical strain from heavy foot traffic and friction from furniture – while still delivering premium-level aesthetics. Tightening regulations around VOC emissions create an additional challenge.

At Covestro, we have a long history of developing coating solutions for wood flooring. Thanks to our team of in-house experts and our advanced range of technologies, our solutions cover a wide range of wood flooring applications – including primers, topcoats, and 2k systems.



Selected portfolio offerings Wood flooring

NAME	DESCRIPTION	SOLIDS (%)	MFFT (°C)	BENEFITS/ MAIN PROPERTIES
PRIMERS				
NeoCryl® XK-12	Self-cross-linking acrylic	45	29	Sandability, neutral wood coloration, compatible with a wide range of dispersions.
NeoCryl® XK-68	Hydroxyl functional acrylic styrene	47.5	35	Warm reddish wood coloration on oak.
NeoCryl® XK - 30	Cationic acrylic	42	30	Stain locking for high tannin content woods.
TOPCOATS				
NeoCryl® XK-12	Self-cross-linking acrylic	45	29	Universal product compatible as a blend partner with a range of dispersions.
NeoCryl® XK-14	Self-cross-linking acrylic	40	33	Water and Chemical resistance, good transparency both in-can and film.
NeoPac™ E-108	Aromatic urethane acrylic copolymer dispersion	33	<4	Tough clear films with water and chemical, abrasion resistance and good flow out with warm wood coloration.
NeoPac™ E-180	Aromatic urethane acrylic copolymer dispersion	33	19	Chemical resistance with abrasion & scratch resistance with warm wood coloration.
NeoRez® R-2170	Self-crosslinking aliphatic urethane dispersion	40	58	High clarity and hardness, abrasion and chemical resistance, good mechanical properties including black heel mark scuff resistance.
NeoRez® R-2180	Self-crosslinking aliphatic urethane dispersion	35	30	High clarity and hardness, abrasion and chemical resistance, good mechanical properties including black heel mark scuff resistance.
Decovery® SP-2022 XP	Self-crosslinking inherently matt urethane	35	<5	Provides a matt appearance, neutral wood coloration, chemical black heel and scuff resistance and non polishing. Biobased content is 35%, ASTM D6866 C14 method.
Decovery® CQ 2110	Self-crosslinking partially biobased urethane	35	18	High clarity and hardness, abrasion and chemical resistance, good mechanical properties including black heel mark scuff resistance. Biobased content is 36%, ASTM D6866 C14 method.
Bayhydrol® UH 2593/1	Aliphatic polyurethane dispersion modified with fatty acids	34	N/A	Mechanical properties including black heel mark resistance, high hardness development and strong drying.
NeoPac™ OX87-1 40W	Aliphatic polyurethane dispersion modified with fatty acids	40	N/A	Wood wetting with a warm wood coloration, hardness development, scratch resistance and fast drying.
NeoRez® R-9035	Aliphatic polyurethane dispersion modified with fatty acids	33	N/A	Wood wetting with a warm wood coloration, hardness development giving mechanical properties.

NAME	DESCRIPTION	SOLIDS (%)	BENEFITS/ MAIN PROPERTIES
HARDENER FOR TOP COATS (2K)			
Bayhydur® ultra 305	Water dispersible polyisocyanate	100	Polyether-modified, easiest mixing and high gloss.
Bayhydur® ultra 2700	Water dispersible polyisocyanate	65	Ready-to-use hardener based on Bayhydur® ultra 305, easiest mixing and high gloss.
Bayhydur® ultra 2858	Water dispersible polyisocyanate	70	Ready-to-use hardener, fast drying, easy mixing, high hardness, high chemical resistance and long pot life.
Bayhydur® CQ ultra 701-90	Water dispersible polyisocyanate	90	Partially biobased, high chemical resistance.

02

Wood (interior & exterior)

From window and door frames to façades, decking, and fences, the right paint or coating can make a big difference to the appearance and functionality of interior and exterior wood. And the right surface preparation is equally important to ensuring that these coatings work effectively.

We offer a wide range of coating solutions for interior and exterior wood applications. These include resins for primers that prepare the wood for its topcoat by isolating knots and preventing tannins from bleeding. And we also offer resins for topcoats that beautify and protect the wood – with several finishes possible:

- **Oils and clear varnishes**, which produce a thin film that clearly shows the structure of the wood. The color of the finish is determined by the color and age of the wood itself.
- **Wood stains** with a low pigment content, which produce a thin film that clearly shows the structure of the wood. The color of the finish is determined by the color of the stain and the color of the wood.
- **Wood paints** that hide the wood grain and can be pigmented to any desired color.

Selected portfolio offerings:
Wood

NAME	DESCRIPTION	SOLIDS (%)	MFFT (°C)	BENEFITS/ MAIN PROPERTIES
PRIMERS FOR INDOOR APPLICATIONS				
NeoCryl® XK-30	Cationic acrylic copolymer	42	30	Stain locking primer on hard woods to prevent leaching of tannins without the need for zinc oxide.
NeoCryl® XK-170	Acrylic styrene copolymer	45	33	Good wet adhesion including on previously painted surfaces such as aged alkyd, hardness and outdoor durability.
NeoCryl® XK-298	Self crosslinking acrylic copolymer	44	7	Broad adhesion to a range of substrates, flexibility and outdoor durability.
NeoCryl® HP-1000	Acrylic copolymer	44.5	<5	Provides adhesion to a wide range of surfaces that are difficult to stick to including various plastics and glossy surfaces.
TOPCOATS FOR INDOOR APPLICATIONS				
NeoCryl® XK-12	Self crosslinking acrylic copolymer	45	29	Universal acrylic giving hardness and resistances. Suitable for blending with a range of acrylic and urethane dispersions.
NeoPac™ PU-485	Aliphatic polyurethane-alkyd	42	N/A*	Film hardness and fast drying, scratch and water resistance. Good open time and flow out.
NeoPac™ OX87-1 40W	Amine free aliphatic polyurethane-alkyd	40	N/A	High hardness development with scratch & mechanical properties.
Decovery® SP-8030	Amine free aliphatic polyurethane-alkyd	42	N/A	Film hardness and fast drying, scratch and water resistance. Good open time and flow out. Low odor on application and drying.
NeoRez® R-2005	Urethane-acrylic	35	10	Provides hard, chemical and abrasion resistance coatings with flexibility. Suitable as a blend partner with a range of dispersions.
NeoPac™ E-225	Urethane-acrylic	35	50	Chemical resistance, hardness, black heel mark resistance. Neutral wood coloration.
EXTERIOR APPLICATIONS				
NeoCryl® XK-188	Acrylic styrene copolymer	45	6	Wet adhesion to wood and previously painted surfaces including aged alkyd, high gloss potential, water resistance with low water vapor permeability.
NeoCryl® XK-190	Acrylic copolymer	45	<0	Wet adhesion to wood and previously painted surfaces including aged alkyd, flexible and with good outdoor durability.
NeoCryl® XK-231	Self crosslinking acrylic copolymer	42	20	Outdoor durability with good hardness.
NeoCryl® XK-237	Self crosslinking acrylic copolymer	44	8	Early water resistance and low water uptake with outdoor durability.
NeoCryl® XK-298	Self crosslinking acrylic copolymer	44	7	Elasticity, blocking resistance, good transparency with outdoor durability.
Decovery® SP 7450	Self crosslinking acrylic copolymer	44	10	Elasticity, blocking resistance, good transparency with outdoor durability. Biobased content is 39%, ASTM D6866 C14 method.
Decovery® SP 8310	Acrylic copolymer	47	<5	Water resistance, flexibility, outdoor durability. Biobased content is 37%, ASTM D6866 C14 method.
ALKYDS - WE ARE REFRESHING OUR PORTFOLIO PLEASE CONTACT US TO DISCUSS YOUR NEEDS				
NeoPac™ PU-485	Aliphatic polyurethane-alkyd	42	N/A	Film hardness and fast drying, scratch and water resistance. Good open time and flow out.
NeoPac™ OX87-1 40W	Amine free aliphatic polyurethane-alkyd	40	N/A	High hardness development with scratch & mechanical properties.
Decovery® SP-8030 XP	Amine free aliphatic polyurethane-alkyd	42	N/A	Film hardness and fast drying, scratch and water resistance. Good open time and flow out. Low odor on application and drying.

*oxidative drying

03

Light-duty metal

Direct-to-metal (DTM) coating technology can simplify and speed up the coating process for fences, railings, and many other light-duty metal structures. But there is no one-size-fits-all solution: the requirements that DTM coatings need to meet can vary significantly based on the application.



Selected portfolio offerings: Light-duty metal

NAME	DESCRIPTION	SOLIDS (%)	MFFT (°C)	BENEFITS/ MAIN PROPERTIES
NeoCryl® XK-82	Acrylic styrene	40	44	Humidity and corrosion resistance. Good compatibility with many resin technologies.
NeoCryl® XK-85	Acrylic styrene	40	29	Corrosion resistance, water and humidity resistance and adhesion. Combination with urethane dispersions will optimize mechanical surface properties.
NeoCryl® XK-117/1	Acrylic styrene	48	28	Corrosion and humidity resistance and providing good adhesion to various metal substrates.
NeoCryl® XK-86	Acrylic styrene	42.5	31	High gloss and gloss retention; corrosion, humidity and salt spray resistance; outdoor durability and wet adhesion to aluminium and galvanised steel.

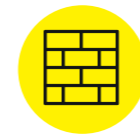
04

Walls (interior & exterior)

Paints for interior walls, exterior walls, and façades must protect these surfaces by withstanding everyday contact – such as scrubbing, burnishing, and stains. On top of this, these paints usually need to provide an attractive finish that maintains its gloss in the desired color. And increasingly, they also need to offer low odor and VOC emissions, particularly those for interiors.

We offer a variety of paint and coating solutions, which are all water-based, to meet this range of needs. Their characteristics include:

- (Partially) bio-based content
- Outdoor durability
- Wet scrub resistance
- Low VOC emissions



Selected portfolio offerings: Walls (interior & exterior)

NAME	DESCRIPTION	SOLIDS (%)	MFFT (°C)	BENEFITS/ MAIN PROPERTIES
NeoCryl® HP 3000	Acrylic copolymer	50	<5	Scrub resistance & stain resistance and durability without the use of coalescent.
NeoCryl® HP 4000	Acrylic copolymer	50	<5	Water resistance and durability.
Decovery® SP-8310	Acrylic copolymer	47	<5	water resistance, flexibility, broad adhesion profile and outdoor durability. Biobased content is 37%, ASTM D6866 C14 method.
Decovery® SP-8406	Acrylic copolymer	44	<5	Scrubs resistance, high biobased content. Biobased content is 52%, ASTM D6866 C14 method.

05

Adhesives & sealants

Adhesives

Adhesives help to secure long-lasting floor build-ups or structures – which in turn, enable in-demand properties like floor heating or noise reduction. Adhesives are used on many kinds of absorbent and non-absorbent substrates – concrete, screeds, ceramic, stone, wood, and PVC. Whatever the substrate, they need to provide good mechanical strength and, often, low VOC emissions.

Construction sealants

Joint sealants need to withstand a wide spectrum of impacts. This includes mechanical stress caused by the movement, expansion, or shrinking of the structures they're used in – which could be made of concrete, wood, metal, or plastic. Withstanding these impacts requires properties such as elastic recovery, modulus, elongation, bubble-free curing, and weather resistance. Ideally, overcoating of sealants should also be possible.

Covestro's resins for adhesives and sealants include silane-terminated prepolymers (STPs), isocyanates, and isocyanate functional prepolymers. One example is our **Desmoseal® S** range of STPs, which combines the outstanding good cohesion of polyurethanes with the strong adhesion of silicon-based sealants.

Selected portfolio offerings:
Adhesives & sealants

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	NCO CONTENT (%)	EQ WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
POLYISOCYANATES					
Desmodur® ultra E 15	100	6 600	4.3	975	Flexible TDI-based prepolymer for 1K and 2K PU adhesives and sealants.
Desmodur® E 22	100	2 800	8.6	490	Flexible MDI-based prepolymer, binder for rubber granules.
Desmodur® E 23	100	1 800	15.4	275	MDI-based prepolymer for 1K PU coatings and adhesives.
Desmodur® VKS 20F	100	200	31.5	135	Polymeric MDI hardener for 2K PU adhesives.
Desmoseal® M 280	80	33 000	2.1	2 000	MDI-based prepolymer 80% in Mesamoll for 1K PU sealants.
Desmocap® 14 CNB	100	25 000	2.7*	930**	Blocked, flexible TDI-prepolymer for flexibilization of epoxy sealants and adhesives.

* - blocked, ** - apparent epoxy EQ weight

NAME	SUPPLY FORM (%)	VISCOSITY AT 23 °C (mPa s)	OH CONTENT (%)	MOLECULAR WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
POLYOLS					
Desmophen® 1111 BD	100	155	3.4	1 000	Polyether diol for 2K PU adhesives.
Desmophen® C 1200	100	16 500	1.7	2 000	Polyester-polycarbonate diol for weather stable 2K PU sealants.
Desmophen® 1380 BT	100	600	11.7	440	High OH-containing polyether triol for 2K PU adhesives.
Desmophen® 1652	100	11 000	1.6	2 100	Linear polyester polyol for flexible 2K PU sealants.
Desmophen® 2061 BD	100	345	1.7	2 000	Polyether diol for 2K PU adhesives.
Acclaim® 4200	100	980	0.85	4 000	Polyether diol for flexible 2K PU adhesives and sealants.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	MOLECULAR WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
SILANE TERMINATED PREPOLYMERS				
Desmoseal® S XP 2636	100	40 000	High	Low modulus sealants and elastic adhesives with high elongation.
Desmoseal® S XP 2749	100	5 100	Low	Adhesives with high hardness without added plasticizer.
Desmoseal® S XP 2774	100	50 000	Very high	Low modulus construction sealants with very high elongation.
Desmoseal® S XP 2821	100	20 000	Low	Structural adhesives with high tensile strength and lap shear strength.
Desmoseal® S 2876	100	25 000	Medium	Elastic adhesives and high-modulus sealants with medium elongation.

06

Concrete flooring & protection

Whether in car parks or sports areas, most concrete floors have to withstand mechanical and thermal stress, chemicals, water, and UV light. All while still being comfortable and safe to walk on! As such, concrete floor coatings must offer cleanability, slip resistance, elasticity, crack-bridging properties, and often, aesthetic improvements. Plus productivity, if a quick return to operation for the floor square is needed.

Our resins for concrete flooring include solutions for multiple coating layers – primer, leveling layer, membrane, wear surface, topcoat, and stone carpets – so you can adapt the build-up as needed. This range also includes our **Pasquick®** solutions, which are designed to enhance productivity by curing up to eight times faster than equivalent systems.



Selected portfolio offerings: Concrete flooring & protection

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	NCO CONTENT (%) IN RELATION TO SUPPLY FORM	EQ WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
ALIPHATIC POLYISOCYANATES					
Desmodur® N 3200	100	2 500	23.0	185	Good compatibility with branched polyols, binder for 1K PU stone carpets.
Desmodur® ultra N 3300	100	3 000	21.8	195	Standard aliphatic hardener for 2K and 1K PU systems.
Desmodur® ultra N 3600	100	1 200	23.0	185	Standard aliphatic hardener, low viscous.
Desmodur® ultra N 3800	100	6 000	11.0	380	Flexible aliphatic hardener.
Desmodur® ultra N 3900	100	730	23.5	180	Low viscous polyisocyanate hardener.
Desmodur® CQ ultra N 7500	100	1 700	18.5	227	Low viscous biobased polyisocyanate hardener with 69% biobased content, suitable for self-leveling floor applications.
Desmodur® CQ ultra N 7600	100	3 000	19.6	214	Biobased polyisocyanate hardener, binder for 1K PU systems with 69% biobased content, suitable for stone carpet applications.
Desmodur® N 75 MPA/X	75	250	16.5	255	Standard aliphatic hardener for 2K PU solvent based coatings, other supply forms available.
Desmodur® ultra Z 4470 MPA/X	70	1 500	11.9	360	Fast physical drying and high hardness.
Desmodur® NZ 300	100	3 000	21.0	200	HDI/IPDI based hardener solvent free, decorative floor coatings.
Desmodur® ultra N 31100	100	500	20.0	215	Very low viscosity, good compatibility with polyols and more flexible vs standard HDI trimers.
AROMATIC PREPOLYMERS					
Desmodur® VL	100	90	31.5	135	Hardener for self-levelling PU flooring and 3K PU mortars.
Desmodur® VL 50	100	23	32.5	130	Hardener for self-levelling PU flooring, good flexibility.
Desmodur® VH 20 N	100	280	24.5	170	Hardener for self-levelling PU flooring, good flexibility.
Desmodur® XP 2551	100	66	32.0	130	Hardener for self-levelling PU flooring and 3K PU mortars.
Desmodur® E 21	100	5 400	16.0	260	1K PU solvent based primers for concrete.
Desmodur® E 22	100	2 800	8.6	490	Binder for EPDM rubber crumb.
Desmodur® E 23	100	1 800	15.4	270	1K PU solvent based primers for concrete and bituminous substrates.
Desmodur® E 29	100	220	24.0	175	1K PU primer solvent free for concrete.
Desmocap® 14 CNB	100	25 000		930	Blocked Prepolymer, flexibilization of epoxy resins.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	NCO CONTENT (%) IN RELATION TO SUPPLY FORM	BENEFITS/ MAIN PROPERTIES
POLYISOCYANATE CROSSLINKERS FOR WATERBASED SYSTEMS				
Bayhydur® ultra 304	100	4 000	18.2	Versatile polyisocyanate crosslinker, polyether modified. Good mixability and excellent weather resistance.
Bayhydur® ultra 305	100	6 500	16.2	Polyether modified polyisocyanate crosslinker, suitable for high gloss formulations.
Bayhydur® ultra 308	100	900	20.0	Ready to use, polyether modified low viscous polyisocyanate crosslinker. Easy mixing in waterbased formulations.
Bayhydur® ultra 312	100	900	22.8	Ready to use, ionically modified low viscous polyisocyanate crosslinker. Easy mixing in waterbased formulations.
Bayhydur® ultra 3100	100	2 800	17.4	Versatile polyisocyanate crosslinker, polyether modified. Suitable for economical formulations.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	OH CONTENT (%) ON SOLID	pH	BENEFITS/ MAIN PROPERTIES
HYDROXYFUNCTIONAL ACRYLIC DISPERSIONS					
Bayhydrol® A 2457	41	<100	2.5	8.2	Economic 2K PU waterbased clear and pigmented floor coatings.
Bayhydrol® A 2546	41	<200	4.8	8.0	Standard type for matt, high chemical resistance floor topcoats.
NeoCryl® XK-103	45	<250	3.2	7.8	Versatile grade with wide compability with polyisocyanate crosslinkers.
NeoCryl® XK-110	46.5	<400	2.5	7.0	Economic 2K PU waterbased clear and pigmented floor coatings.
NeoCryl® XK-541	40	<300	4.2	7.8	Suitable for high gloss and high resistant topcoat formulations.
NeoCryl® XK-555	40	<300	5.0	7.8	Suitable for high gloss formulations, combined with excellent resistance levels.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	MFFT (°C)	pH	BENEFITS/ MAIN PROPERTIES
ACRYLIC DISPERSIONS					
NeoCryl® XK-205	42	<130	55	7.5	1K light duty concrete for DIY.
NeoCryl® XK-170	45	<500	33	9.4	Primer for concrete.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	NCO CONTENT (%) IN RELATION TO SUPPLY FORM	EQ WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
POLYISOCYANATES					
Desmodur® ultra N 3600	100	1 200	23.0	185	Standard aliphatic hardener, low viscous.
Desmodur® ultra N 3900	100	730	23.5	180	Very low viscosity.
Desmodur® N 31000	100	500	23.0	183	Hardener component for lightfast, weather-stable coating systems.
Desmodur® ultra N 31100	100	500	20.0	215	Very low viscosity, good compatibility with polyols and more flexible vs standard HDI trimers.
Desmodur® E 30700	100	1 350	11.0	380	Highly elastic prepolymer for polyaspartic waterproofing and decorative coating.
Desmodur® ultra E 30500	100	4 250	12.5	335	Highly elastic prepolymer, stable to hydrolysis.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	EQ WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
AMINOFUNCTIONAL CO-REACTANTS				
Desmophen® CQ NH 1220	100	90	234	Very fast drying.
Desmophen® CQ NH 1420	100	1 450	276	Standard grade, best balance working time - curing speed.
Desmophen® CQ NH 1423 LF	100	1 500	274	Low FADEE version of NH 1420.
Desmophen® CQ NH 1520	100	1 400	290	Longer pot-life and slow drying.
Desmophen® CQ NH 1523 LF	100	2 400	280	Low FADEE version of NH 1520.
Desmophen® CQ NH 1720	100	100	295	Low viscous, combination partner, diluent.
Desmophen® CQ NH 1723 LF	100	80	290	Low FADEE version of NH 1720.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	OH CONTENT (%) ON SOLID	BENEFITS/ MAIN PROPERTIES
POLYOLS				
Desmophen® 1100	100	30 500	6.5	Toughness, 2K solvent-based PU parquet coatings / sport floor topcoats.
Desmophen® VPLS 2249/1	100	1 900	15.5	High OH content, combination partner with hydrophobic polyols.
Desmophen® 651 MPA/X	65	2 500	5.5	Highest chemical resistance.
Desmophen® 1380 BT	100	600	11.7	High OH containing polyether triol.
Desmophen® 5028 GT	100	3 600	0.9	Trifunctional polyol suitable to enhance floor coating properties.
Desmophen® 2060 BD	100	310	1.7	Self levelling flooring, 2K PU adhesives.

NAME	SUPPLY FORM (%)	Tg (°C)	MOLECULAR WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
SOLID ACRYLICS				
NeoCryl® B-725	100	63	55 000	Solid acrylic copolymer for e.g. road marking.
NeoCryl® B-788XP	100	47	145 000	Solid methacrylic copolymer for concrete/ seamless floor systems.
NeoCryl® B-826	100	66	105 000	Solid acrylic copolymer for outdoor durable, high chemical and mechanical performance.
NeoCryl® B-891	100	77	35 000	Solid methacrylic copolymer for concrete/ seamless floor systems, resistance against petrol.



07

Waterproofing

Keeping interior and exterior structures waterproof ensures that they last for a long time. To be effective, waterproofing solutions must be flexible even at very high or low temperatures, able to bridge cracks, and consistent in waterproofing despite their good water vapor transmission.

We offer waterproofing solutions based on a variety of technologies, including aliphatic and aromatic prepolymers, PU dispersions, solid acrylics, and polyurea sprays. In this way, we can help you waterproof multiple areas, like roofing, balconies and walkways, car park decks, wet rooms, and concrete structures.

Selected portfolio offerings:
Waterproofing

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	NCO CONTENT (%) IN RELATION TO SUPPLY FORM	EQ WEIGHT (g/mol)	BENEFITS/ MAIN PROPERTIES
ALIPHATIC POLYISOCYANATES					
Desmodur® ultra N 3800	100	6 000	11.0	380	Flexible aliphatic hardener.
Desmodur® ultra N 3900	100	730	23.5	180	Very low viscosity.
Desmodur® ultra Z 4470 MPA/X	70	1 500	11.9	360	Fast physical drying and high hardness.
Desmodur® ultra N 31100	100	500	20.0	215	Very low viscosity, good compatibility with polyols and more flexible vs standard HDI trimers.
Desmodur® E 30700	100	1 350	11.0	380	Highly elastic prepolymer for polyaspartic waterproofing and decorative coating.
Desmodur® ultra E 30600	100	2 500	6.0	700	Light stable binder for waterproofing membranes.
Desmodur® ultra E 30500	100	4 250	12.5	335	Highly elastic prepolymer, stable to hydrolysis.
Desmodur® VPLS 2371	100	9 800	3.7	1 100	Elastic 1K and 2K membranes.
Desmodur® E 40480 MPA	80	7 000	2.8	1 500	Elastic 1K PU membranes with best weather-, saponification- and hydrolysis resistance.
AROMATIC POLYISOCYANATES					
Desmodur® VL 50	100	23	32.5	130	Aromatic hardener, good flexibility.
Desmodur® E XP 2727	100	800	15.3	275	Hardener for 2K spray polyurea.
Desmodur® ultra E 14	100	6 800	3.5	1 200	1K and 2K PU membranes, high flexibility and low monomer content.
Desmodur® E 15	100	7 000	4.4	950	1K PU membranes, standard.
Desmodur® ultra E 15	100	6 600	4.3	975	1K PU membranes, standard.
Desmocap® 14 CNB	100	25 000			Blocked Prepolymer, flexibilization of epoxy resins.

NAME	SUPPLY FORM (%)	VISCOSITY AT 23°C (mPa s)	pH	BENEFITS/ MAIN PROPERTIES
POLYURETHANE DISPERSIONS				
Bayhydrol® UH 340/1	40	<500	6.6	Modifier for 1K wb acrylic roof coatings, best ponding water resistance.
Bayhydrol® UH 2864	59	<1 000	7	Modifier for 1K wb acrylic roof coatings, high flexibility.
Bayhydrol® UH 2891	40	<100	7	Modifier for 1K wb acrylic roof coatings, good water resistance.

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Areas to explore together

Beyond the segments we've already covered, we are continually looking for new application areas to add to our portfolio.

If you'd like to know more about our innovation in these areas, or if there's another subsegment you'd like resins for, let us know!

We'd love to explore further solutions together.



How can we help you today?



Corporate goals

Demonstrating your role as responsible industry leader, you define your own sustainability goals.

Regulations

When it comes to sustainability regulations influence our license to operate more than ever.

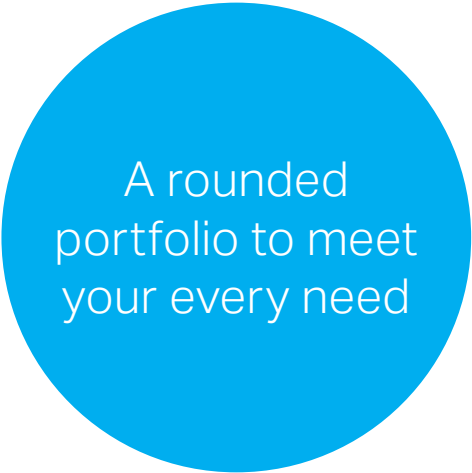
Customer demand

Customers ask for more sustainable solutions and become increasingly critical.

Connect with us to discuss your needs!



At Covestro, we're committed to creating solutions that protect both these environments, and our collective environment, the earth. With solutions for a wide range of substrates and applications, **we've got you covered.**



A rounded
portfolio to meet
your every need



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¹Please see the "Guidance on Use of Covestro Products in a Medical Application" document.
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