

Evonik for the construction industry



From the roof to the foundation, and from protecting ancient national treasures to building the cities of the future, Evonik has products and solutions for use in almost all aspects of construction.

As one of the world's most innovative specialty chemicals companies, we are defined by our creativity, energy, and passion for our products and for our customers. Whether it be solving a customer's current problems, improving their existing products for the future, or finding new, innovative solutions to difficult challenges. We want to be your specialty chemicals partner in the construction industry.

Let us build a better world, together.



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ADHESIVES AND SEALANTS



Buildings today would no longer be conceivable without the use of modern adhesives and sealants. Evonik offers a variety of raw materials and additives and thus an important contribution to efficient and durable structures.



ANCAMIDE®

ANCAMIDE® curing agents offer a range of amidoamines and adducts with varying reactivity, viscosity, cure speed and chemical resistance. Known for their adhesion to concrete and performance under humid conditions.



ANCAMINE®

Evonik's ANCAMINE® portfolio offers a range of cycloaliphatic and N-alkylated amine technologies. Used with liquid epoxy resin for high performance primers and sealers.



DABCO®

Under the DABCO® brand, Evonik provides an extensive portfolio of different amine catalysts. Amine catalysts are highly important to the balance between the various reactions during the polyurethane foam formation.



DYNASYLAN®

DYNASYLAN® silanes improve adhesion, cohesion and drying. In addition, they can be used for reinforcement and endcapping. These essential properties allow adhesives and sealants to be effective, even when exposed to moisture or applied to particularly difficult surface. DYNASYLAN® protects modern adhesives and sealants from high levels of environmental humidity, and maintains the full adhesive capacity of joined but not yet cured adhesive surfaces.



POLYCAT®

Evonik's POLYCAT® brand includes a large variety of special catalysts that facilitate high performance reactions to meet the demands in applications such as spray foam and CASE applications.

ADHESIVES AND SEALANTS



POLYVEST® HT

POLYVEST® HT is used in adhesive and sealant compositions, electrical insulations such as cable lugs and many more applications due to their excellent chemical and physical properties.



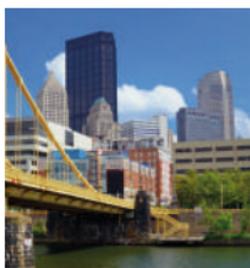
TEGOSTAB®

TEGOSTAB® is Evonik's global surfactants' brand. Under this name, you can find a large variety of different surfactants for use in all major polyurethane applications e.g. rigid, flexible slabstock, molded and high-density foams.



TEGOPAC®

TEGOPAC® is range of silane-modified polymers which is typically used in adhesives, sealants or liquid applied membranes. Liquid applied membranes are a very common way of waterproofing nowadays. Whether hand applied or machine applied these waterproofing systems are very flexible in use.



VERSALINK®

VERSALINK® products are specialty diamines of different molecular weights for use as curatives and chain extenders in high-performance polyurea and polyurea-hybrid applications.



VESTAMIN®

VESTAMIN® is a product portfolio of specific amines suitable for the formulation of epoxy curing agents. They find their applications in adhesives between concrete structures as well as flooring onto concrete.



VESTANAT®

VESTANAT® is a product portfolio of cycloaliphatic di- and polyisocyanates suitable for the formulation of PUR or SPUR sealant systems. VESTANAT® diisocyanate monomers are used for manufacturing of pre-polymers used in sealant applications.

ARCHITECTURAL PAINTS AND COATINGS

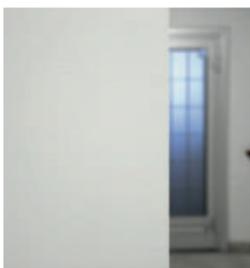


Evonik products can help to obtain long-lasting interior and exterior architectural paints and coatings. The products address challenges like foam and color management, mechanical robustness, hydrophobization and comply with all relevant regulations.



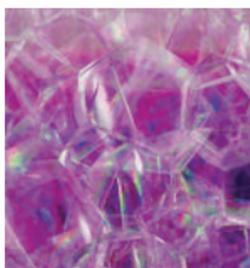
SIPERNAT®

SIPERNAT® 820 A is a precipitated synthetic silicate with exceptional brightness. The highly structured particles provide film reinforcement, TiO₂ spacing, sheen uniformity, and excellent dry opacity.



SPHERILEX®

SPHERILEX® is a precipitated amorphous silica with uniquely spherical particle shape and very narrow particle size distribution. This provides architectural paints additional mechanical resistances to improve the durability.



TEGO® FOAMEX

Highly efficient defoamers based on different chemistries to provide outstanding defoaming effect to paints. E.g. TEGO® FOAMEX 10 is a defoamer emulsion especially developed for architectural coatings.



TEGO® PHOBE

Treating surfaces – such as exterior walls – with water-repellent materials is an effective method of protection from weathering. To achieve outstanding hydrophobization, different types of silicone chemistries are used. TEGO® PHOBE products are optimized for proper hydrophobization of waterborne exterior paints and primers.



VESTANAT®

Aliphatic and cycloaliphatic diisocyanate monomers for light stable PUR resins and elastomers/ cycloaliphatic polyisocyanates for extremely durable coatings.

BITUMEN / ASPHALT MODIFICATION



Roads are the basis for our modern mobility. However, the increasing traffic load also places increasing demands on today's roads.



GTL SARAWAX

Viscosity Reduction for Smart Construction. The addition VESTOPLAST® or VESTOWAX® resp. GTL SARAWAX to the bituminous binders used in road construction does not only enhance the performance of road surfaces, it also makes construction work easier and safer.



POLYVEST® HT

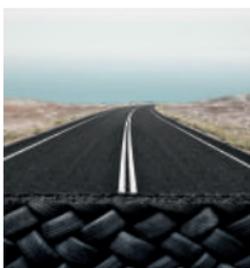
Waterproofing membranes and joint fillers – Bitumen modification. The addition of POLYVEST® HT to bituminous binders accelerates performance and elongations and makes system cost more efficient.



TEGO® ADDIBIT

TEGO® ADDIBIT is a well-known range of additives for bituminous coatings and asphalt applications like e.g. emulsifiers. Evonik is providing a broad range of technologies to serve the road construction industry. VESTENAMER® and TEGO® ADDIBIT products provide solutions for today's requirements such as durability, reduction of emissions and energy consumption, and thus support sustainable road construction and maintenance.

BITUMEN / ASPHALT MODIFICATION



VESTENAMER®

VESTENAMER® has been used as an additive in the rubber industry for years. By virtue of its properties, the versatile polyoctenamers can solve a variety of problems in the compounding and processing of rubber. It can also improve the dynamic properties of the vulcanized material and as well be used to recycle waste rubber.



VESTOPLAST®

Bitumen modification

The addition VESTOPLAST® or VESTOWAX® resp. GTL SARAWAX to the bituminous binders used in road construction does not only enhance the performance of road surfaces, it also makes construction work easier and safer.

Roofing / Water proofing

High melting grades from Evonik's VESTOPLAST® range of amorphous poly-alpha-olefins often are component in polymer modified bitumen (PmB) for the production of high-grade membranes for roofing and bridge construction. Beside excellent performance within a broad temperature range, PmBs containing non-reactive thermoplastic VESTOPLAST® as a modifier are particularly well suitable for recycling processes, which are becoming more and more important.

BUILDING PROTECTION



Evonik building protection products protect buildings and infrastructures from deterioration by harmful influences. Our broad product range enables an outstanding degree of durability and resistance and saves significantly investments.



PROTECTOSIL®

PROTECTOSIL® products are well known and valued as water repellents, easy-to-clean, antigraffiti, corrosion protection and stone consolidation products since decades.

They protect all kinds of mineral surfaces from damaging effects and provide special properties such as increased durability and resistance for these materials.

BUILDING PROTECTION



SITREN®

SITREN® is Evonik's brand name for various powder and liquid additives including defoaming, air entrainment, shrinkage reduction, water repellency and mould release.



TEGOVISIN®

TEGOVISIN® contains a broad range of well established water repellents. Main focus is the integral use of these liquid additives within mineral building materials like e.g. concrete.



TEGOPAC®

TEGOPAC® is range of silane-modified polymers which is typically used in adhesives, sealants or liquid applied membranes. Liquid applied membranes are a very common way of waterproofing nowadays. Whether hand applied or machine applied these waterproofing systems are very flexible in use.

CONCRETE INJECTION

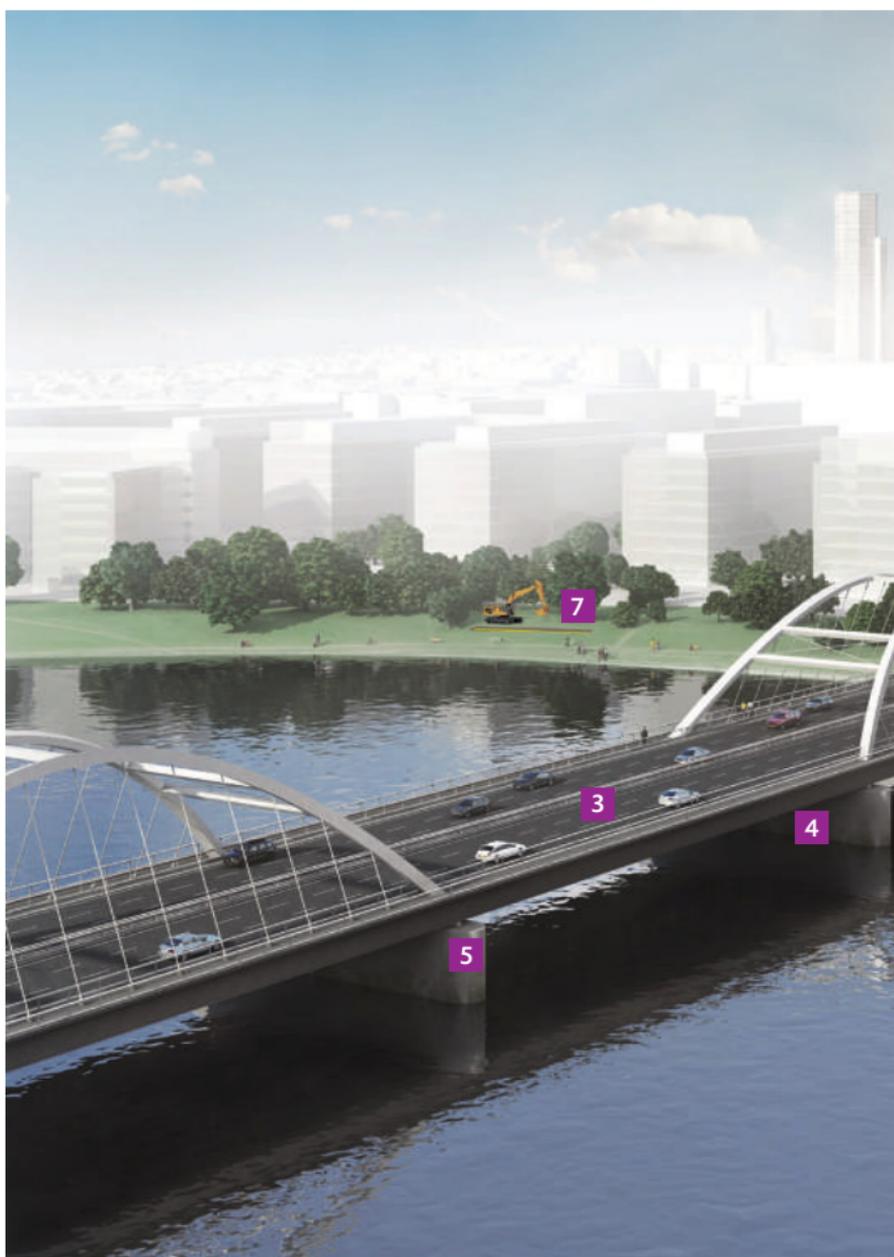


Evonik's VESTAMIN® grades are the basis of many flooring and concrete injection formulations well known in the industry for performance and long term reliable products. ANCAMINE®, ANCAMIDE® and ANQUAMINE® are formulated curing agents for epoxy systems fine tuning and differentiating innovative technologies of solvent free and waterborne construction products. On top of these epoxy products vestanat provides the basis for high end color stable polyurethane topcoats.



ANCAMIDE®

ANCAMIDE® curing agents offer a range of amidoamines and adducts with varying reactivity, viscosity, cure speed and chemical resistance. Known for their adhesion to concrete and performance under humid conditions.



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CONCRETE INJECTION



ANCAMINE®

Evonik's ANCAMINE® portfolio offers a range of cycloaliphatic and N-alkylated amine technologies. Used with liquid epoxy resin for high performance concrete injection.



VESTAMIN®

VESTAMIN® is a product portfolio of specific amines suitable for the formulation of epoxy curing agents. They find their applications in concrete injection systems where frictional bond of damaged concrete structures has to be established.

FLOORING / LANDSCAPING



Evonik products help to protect concrete and steel structures, provide durable industrial flooring and increase work safety in different environments.



ADDID®

ADDID® 230 is a solvent-free anti-static additive used to increase the conductivity of floor coating formulations without sacrificing decorative aspects.

FLOORING / LANDSCAPING



ANCAMIDE®

ANCAMIDE® curing agents offer a range of amidoamines and adducts with varying reactivity, viscosity, cure speed and chemical resistance. Known for their adhesion to concrete and performance under humid conditions.



ANCAMINE®

Evonik's ANCAMINE® portfolio offers a range of cycloaliphatic and N-alkylated amine technologies. Used with liquid epoxy resin for high performance primers, sealers and emission compliant floorings.



ANQUAMINE®

ANQUAMINE® waterbased amine curing agents are used with self emulsifiable liquid epoxy resin or solid resin dispersions for VOC compliant base coats and stain resistant top coats primers.



DABCO®

Under the DABCO® brand, Evonik provides an extensive portfolio of different amine catalysts. Amine catalysts are highly important to the balance between the various reactions during the polyurethane foam formation.



POLYCAT®

Evonik's POLYCAT® brand includes a large variety of special catalysts that facilitate high performance reactions to meet the demands in applications such as spray foam and CASE applications.



POLYVEST®

POLYVEST® is a binder in grouts that are applied as a filler between paving tiles or other paving materials like natural-stones or concrete blocks. POLYVEST® 110 and POLYVEST® 130 based sand filled mortars have a good water penetration and weed control.

FLOORING / LANDSCAPING



SITREN®

Evonik's broad portfolio of liquid and powder additives enables the product of superior mineral flooring products like self-levelling underlayment, tile adhesives etc.



TEGO® AIREX

TEGO® AIREX offers a broad range of deaerator technologies developed to combat both micro- and macrofoam.



TEGOSTAB®

TEGOSTAB® is Evonik's global surfactants' brand. Under this name, you can find a large variety of different surfactants for use in all major polyurethane applications e.g. rigid, flexible slabstock, molded and high-density foams.



VERSALINK®

VERSALINK® products are specialty diamines of different molecular weights for use as curatives and chain extenders in high-performance polyurea and polyurea-hybrid applications.



VESTAMIN®

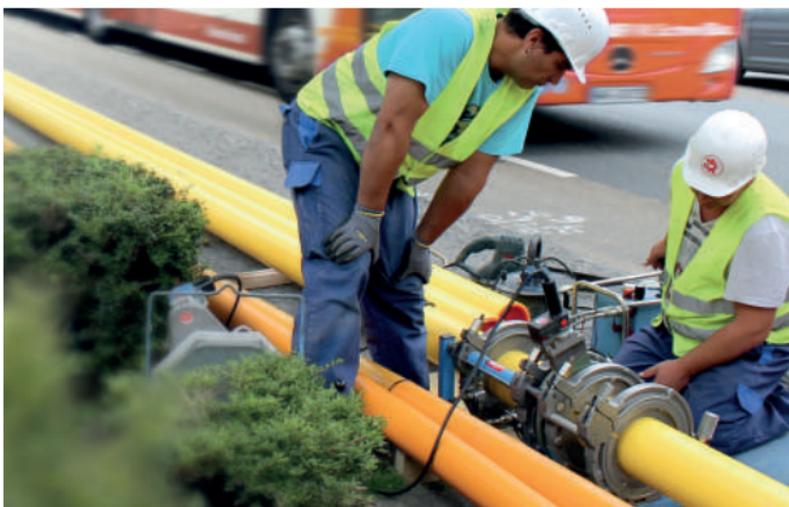
VESTAMIN® is a product range of specific amines suitable for the formulation of epoxy curing agents. They find their applications where concrete protection against chemical attack and mechanical impact is required.



VESTANAT®

VESTANAT® is a product portfolio of polyisocyanates cross-linkers and prepolymers for the formulation of decorative and protective polyurethanes. They find their application in top coats and sealers where excellent weathering durability, specific surface properties (like scratch resistance) and mechanical properties (flexibility) are required.

GAS PIPELINES



The polyamide 12 compounds of the VESTAMID® NRG series were specially developed for applications in the energy sector, e.g. for gas pipelines. They are characterized by high impact strength and stress crack resistance, which enable many years of safe service.

VESTAMID®

Gas pipes in the pressure range between 10 and 18 bar can now be manufactured from high-performance polyamide VESTAMID® NRG and have numerous advantages over steel: they shorten the installation time, cut installation and maintenance cost and have significant less impact to the environment during pipe laying.

THERMAL INSULATION



Thermal insulation is one major pillar to improve energy efficiency to reduce global green house gases. For thermal insulation applications Evonik offers polyurethane additives and silicon-dioxide based microporous insulation materials, semi-finished and finished products.



CALOSTAT®

CALOSTAT® is the innovative high-performance material from Evonik. A slim, safe, and durable insulating board has been developed for various high-end insulation applications. In the construction industry CALOSTAT®

now closes a gap by offering a non-combustible high-performance insulation material, combining two previously incompatible properties within a single board. CALOSTAT® insulating boards are available as CALOSTAT® Pure, CALOSTAT® Sandwich and CALOSTAT® Pad variants.

THERMAL INSULATION



DABCO®

Under the DABCO® brand, Evonik provides an extensive portfolio of different amine catalysts. Amine catalysts are highly important to the balance between the various reactions during the polyurethane foam formation.



GORAPUR®

Under the GORAPUR® brand, Evonik offers a technically and economically perfect release agent solution for all industrial polyurethane applications and individual requirements.



KOSMOS®

Under the KOSMOS® brand, Evonik offers a broad range of metal catalysts (including tin, potassium & bismuth based solutions) and other high performance catalysts.



ORTEGOL®

The ORTEGOL® product range includes an extensive toolbox of processing aids and performance enablers for a tailored solution.



POLYCAT®

Evonik's POLYCAT® brand includes a large variety of special catalysts that facilitate high performance reactions to meet the demands in applications such as spray foam and CASE applications.



POLYVEST® HT

POLYVEST® HT, a hydroxyl-terminated polybutadiene (HTPB), is the major polymeric binder for high quality polyurethane secondary window sealants for insulated glass units. Due to its low moisture and inert gas permeability and good compatibility with other components, POLYVEST® HT based secondary window sealants achieve highest quality standards.

THERMAL INSULATION



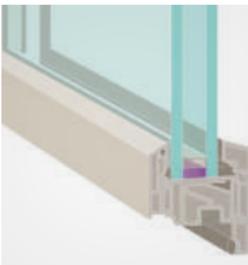
SITREN AIRVOID®

Evonik's versatile portfolio and knowledge of AirEntrainers enables the production of plasters and other cementitious systems with thermally insulating effects.



TEGOSTAB®

TEGOSTAB® is Evonik's global surfactants' brand. Under this name, you can find a large variety of different surfactants for use in all major polyurethane applications e.g. rigid, flexible slabstock, molded and high-density foams.



VESTOPLAST®

With its low water vapor permeability, its flexibility at low temperatures, its good UV stability and good adhesion properties, VESTOPLAST® 206, an amorphous Poly (alpha) olefin, is an ideal solution for primary and secondary window sealants.

LIST OF PRODUCTS AND WEBSITES

ADDID[®] www.coating-additives.com
coating-additives@evonik.com

ANCAMIDE[®] www.ancamide.com
<https://evonik.com/crosslinkers-contact>

ANCAMINE[®] www.ancamine.com
<https://evonik.com/crosslinkers-contact>

ANQUAMINE[®] www.anquamine.com
<https://evonik.com/crosslinkers-contact>

CALOSTAT[®] www.calostat.com
calostat@evonik.com

DABCO[®] www.pu-additives.com
polyurethanes@evonik.com

DYNASYLAN[®] www.dynasytan.com
Dynasytan@evonik.com

GORAPUR[®] www.pu-additives.com
polyurethanes@evonik.com

GTL SARAWAX www.evonik.com/vestowax
adhesives@evonik.com

KOSMOS[®] www.pu-additives.com
polyurethanes@evonik.com

LIST OF PRODUCTS AND WEBSITES

ORTEGOL® www.pu-additives.com
polyurethanes@evonik.com

POLYCAT® www.pu-additives.com
polyurethanes@evonik.com

POLYVEST® HT www.evonik.com/polyvest
adhesives@evonik.com

PROTECTOSIL® www.protectosil.com
protectosil@evonik.com

SIPERNAT® www.coating-additives.com
coating-additives@evonik.com

SITREN® www.construction-chemicals.com
construction-chemicals@evonik.com

SPHERILEX® www.coating-additives.com
coating-additives@evonik.com

TEGO® ADDIBIT www.construction-chemicals.com
construction-chemicals@evonik.com

TEGO® AIREX www.coating-additives.com
coating-additives@evonik.com

TEGO® FOAMEX www.coating-additives.com
coating-additives@evonik.com

TEGOPAC® www.solutions-for-adhesives.com
construction-chemicals@evonik.com

TEGO® PHOBE www.coating-additives.com
coating-additives@evonik.com

TEGOSTAB® www.pu-additives.com
polyurethanes@evonik.com

TEGOVISIN® www.construction-chemicals.com
construction-chemicals@evonik.com

VERSALINK® www.pu-additives.com
polyurethanes@evonik.com

VESTAMID® www.evonik.com/vestamid
evonik-hp@evonik.com

VESTAMIN® www.vestamin.com
<https://evonik.com/crosslinkers-contact>

VESTANAT® www.vestanat.com
<https://evonik.com/crosslinkers-contact>

VESTENAMER® www.evonik.com/vestenamer
evonik-hp@evonik.com

VESTOPLAST® www.evonik.com/vestoplast
adhesives@evonik.com

EVONIK INDUSTRIES AG

Construction Industry Team

Rodenbacher Chaussee 4

HPC 010/C341

63457 Hanau (Wolfgang)

TELEFON +49 6181 59-5200

TELEFAX +49 6181 59-75200

construction@evonik.com

www.evonik.com

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further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer.

Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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