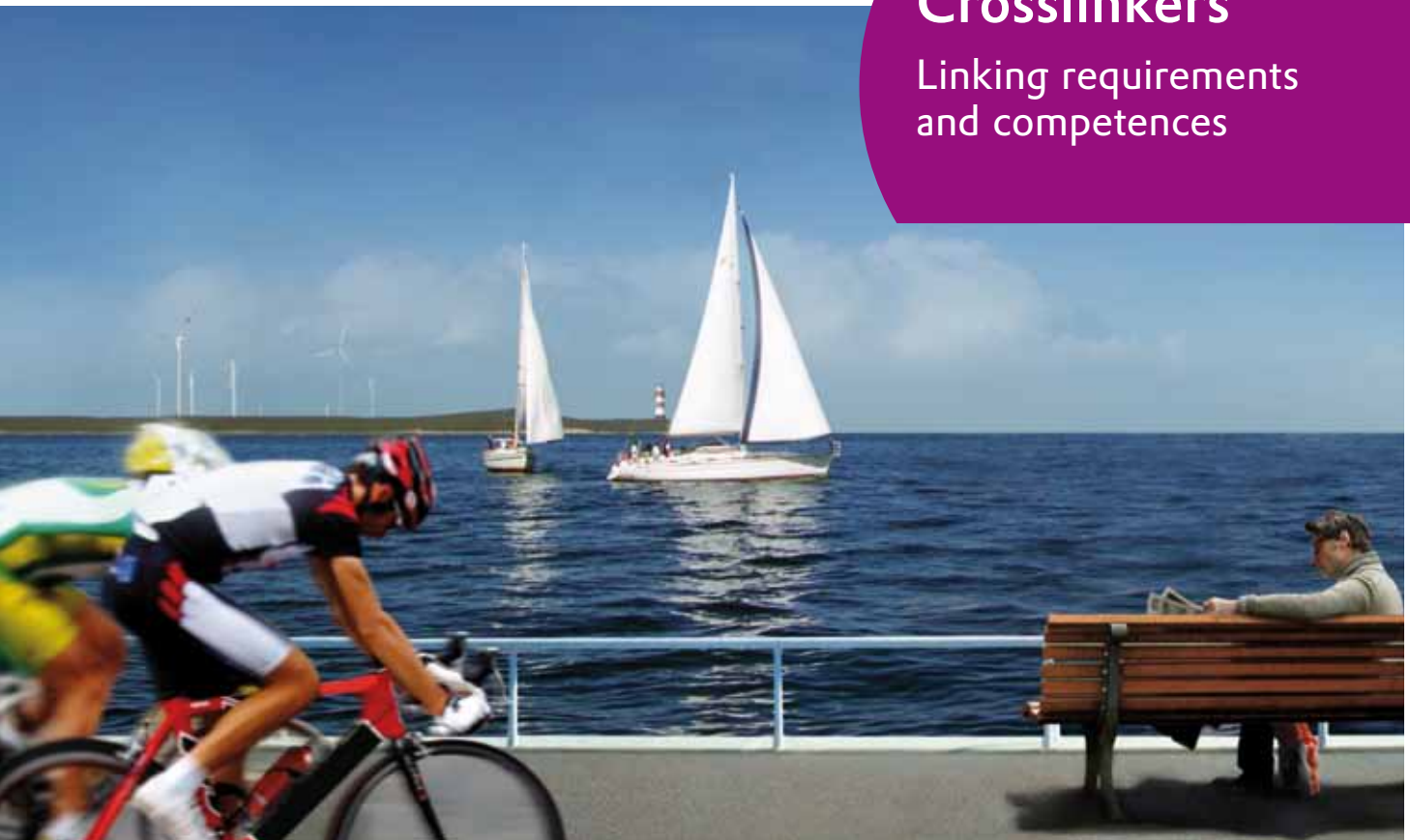


Crosslinkers

Linking requirements
and competences



We are your partner for high performance solutions

Based on more than 40 years of experience in isophorone chemistry, Evonik offers a broad range of products and competences for coatings, adhesives as well as for high performance elastomers and composites. To meet the requirements of our customers, we continuously improve and enlarge our product portfolio. With our production sites in Europe and the United States we are well placed to serve the markets globally. For us, service not only means flawless order processing and delivering, but also supporting our customers with technical advice for current and future applications. The high degree of customer satisfaction with the quality of our products is not taken for granted, but considered as obligation for the future.

Our brand names VESTAMIN®, VESTANAT®, VESTAGON® and VESTASOL® are synonyms for our dedication to fulfill your requirements and needs.

Products & Applications

	VESTAMIN®	VESTANAT® Monomers	VESTANAT® Polyisocyanates	VESTAGON®	VESTASOL® IP, VESTASOL® TMC-one, VESTASOL® DHN, VESTASOL® THN
Coatings Automotive-, Coil-, Can-, Powder-, Leather-, Marine- & Anticorrosive Coatings	●	●	●	●	●
Adhesives Structural Adhesives, Packaging, Glazing	●	●	●	●	
Printing Inks Retortable Gravure Inks, Heat Transfer Systems, Cleaners, Solvents	●	●	●	●	●
Construction Industrial Flooring, Roof & Deck Coatings, Crack Injection Systems	●	●	●		
Composites Wind Energy, Pipes, Sports & Leisure, Automotive	●	●	●	●	
Elastomers Automotive Interior Trim, Safety Glass, Domings, Optical Lenses	●	●	●		
Resins Materials for environmental friendly PUR systems for the coating, adhesive and printing ink industry	●	●	●		
Chemical Synthesis Disinfectants, Peroxides, UV Absorbers, Hydrogen Transfer, Plastics					●

vestamin

vestanat

vestagon

vestasol

Materials for Coatings, Adhesives & Printing Inks

Our market segment "Coatings, Adhesives & Printing Inks" covers products ranging from specialty solvents to a very diverse range of IPDI and HDI derivatives. We provide tailor-made products to the coating industry for a multitude of systems and applications. In car refinishing our customers benefit from our polyisocyanates for light and weather resistant PUR coatings. Powder coatings formulated with VESTAGON® hardeners are eco-friendly and characterized by excellent performance. Latest developments allow for reduced curing temperatures down to 120 – 130 °C. VESTAMIN® sets standards for formulating IPD/TMD based epoxy resin hardeners in a variety of application fields, like for instance in marine paints and corrosion protection coatings. We also deliver solutions for the can and coil coating industry. Furthermore our products can be applied in the printing inks sector, where properties like excellent levelling and gloss are required as well as universal solvent characteristics. Besides above applications our raw materials are used for the formulation of high performing PUR and epoxy based adhesives.



Products

- VESTANAT® IPDI-Derivatives
- VESTANAT® HDI-Derivatives
- VESTAGON®
- VESTANAT® IPDI/H₁₂MDI/TMDI
- VESTAMIN® IPD/TMD
- VESTASOL® IP
- VESTASOL® DHN
- VESTASOL® THN



Materials for Construction and Composites

Epoxyes are used as duroplastic polymers in the construction industry in flooring, roofing and in anticorrosive systems. In composites, epoxyes are favourably used as basis for high performance materials, affording extraordinary impact strength, chemical resistance and low shrinkage. The right crosslinking of epoxy resins is the key challenge for tailored and optimal properties of the resulting duromers in different applications. Our VESTAMIN® type aliphatic and cycloaliphatic diamines are the right answer for this challenge.

Coating and protection of constructions and composites distinctly enhance the lifetime and surface properties.

PUR coatings based on VESTANAT® type aliphatic and cycloaliphatic diisocyanates and its derivatives are the solution for light stable, flexible coatings of concrete and other surfaces.



Products

- VESTAMIN® IPD
- VESTAMIN® TMD
- VESTANAT® IPDI
- VESTANAT® H₁₂MDI
- VESTANAT® IPDI-Derivatives
- VESTANAT® HDI-Derivatives

Products

- VESTASOL® IP
- VESTASOL® TMC -one
- VESTASOL® DHN
- VESTASOL® THN

Materials for Chemical Synthesis

VESTASOL® IP, trimethylcyclohexanone (VESTASOL® TMC-one), tetrahydronaphthalene (VESTASOL® THN), and decahydronaphthalene (VESTASOL® DHN) are used as key raw materials in the synthesis of products for the agriculture, feed and pharmaceutical industries. Personal & home care applications, chemical processes and plastics are also relevant downstream uses for these products. Our versatile product and technology portfolio offers tailored solutions in various applications.

Materials for Resins & Elastomers

Under the VESTANAT® brand Evonik offers a wide range of products used in the production of light stable and weather resistant PUR resins and elastomers.

Our products are essential for manufacturing water based polyurethane dispersions (PUD), two component spray and cast elastomers, conventional and water based radiation curable urethane acrylates, prepolymers for moisture curable one pack PUR coatings and solvent borne as well as solid thermoplastic polyurethanes (TPU). Another application is the urethanization of alkyd resins to significantly improve yellowing resistance, drying and hardness of coatings.



Products

- VESTANAT® IPDI
- VESTANAT® H₁₂MDI
- VESTANAT® TMDI
- VESTAMIN® IPD
- VESTANAT® IPDI-Derivatives
- VESTANAT® HDI-Derivatives

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* = registered trademark of Evonik Degussa GmbH

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