

NEW SAFETY REQUIREMENTS FOR POLYURETHANE ADHESIVES AND SEALANTS

Safer Alternatives Are Becoming Increasingly Important in Modern Construction

Health and safety are becoming central themes within the construction industry. Every day, thousands of professionals' work with hazardous substances, often without fully understanding the potential long-term health risks involved.

According to the Dutch Ministry of Social Affairs and Employment, approximately 3,000 people in the Netherlands die each year from illnesses related to unsafe exposure to hazardous substances in the workplace. This highlights the urgent need for safer products, better awareness, and stricter regulations within the construction sector.

European REACH Legislation Tightens Safety Requirements

On August 3, 2020, the European Commission introduced stricter REACH regulations concerning the use of polyurethane adhesives and sealants containing more than 0.1% free di-isocyanate monomers.

As of August 24, 2023, all professional users working with these products are legally required to complete certified training for the safe handling of di-isocyanates.

This legislation was introduced because di-isocyanates can be released during the application process, directly exposing applicators to potentially harmful substances. Without proper protective measures, repeated exposure may negatively affect respiratory health and overall worker safety.

Safe Processing Starts with the Right Products

When handled correctly and in accordance with safety regulations, polyurethane products containing di-isocyanates can be used safely. However, the new legislation clearly demonstrates the industry's growing focus on reducing health risks wherever possible. This is precisely why more companies, architects, façade specialists, and contractors are actively looking for safer alternatives.

Di-Isocyanate-Free Technology: A Safer and More Sustainable Solution

Our adhesive and sealant technologies are based on advanced polymer systems that do **not contain di-isocyanates**. This means our products can be processed safely without exposing applicators to the health risks associated with traditional polyurethane systems.

The advantages are significant:

- No di-isocyanate-related health risks
- No mandatory REACH training requirements for applicators
- Safer working conditions on-site
- Excellent long-term performance and durability
- Ideal for sustainable and environmentally conscious projects

Perfect for BREEAM and Sustainable Building Projects

Because our products contribute to healthier working environments and sustainable construction practices, they are highly suitable for projects where environmental performance and sustainability certifications play an important role.

This makes them an excellent choice for:

- BREEAM-certified buildings
- Sustainable façade constructions
- Circular building concepts
- Healthy indoor and outdoor environments
- Future-proof construction projects

Building Safely Means Building for the Future

The construction industry is changing rapidly. Regulations are becoming stricter, sustainability requirements are increasing, and health & safety standards continue to evolve. Choosing innovative, di-isocyanate-free adhesive and sealant technologies is not only a safer decision — it is a smart investment in the future of modern construction.

Would you like to know more about safe bonding technologies or sustainable façade solutions?

Our specialists are ready to help you find the right solution for your next project.