



Testing and Certification Services for Glass Products.

To ensure the quality and safety of your glass products, we provide a wide range of testing and certification services that support the successful distribution of your products on the market.

Glass Testing and Certification for Manufacturers and Distributors

Glass is a popular material in a number of industries, such as the construction sector, due to its versatility, strength, and availability. New technological developments have further enhanced the features of glass, making it hard-wearing, heat resistant or even bullet proof. With the introduction of complex multi-material products with glass components, new regulations and standards to ensure quality and safety have been developed. Manufacturers therefore need to ensure compliance with all applicable standards.

TÜV Rheinland can support manufacturers and distributors of glass products and components with extensive certification and testing services, enabling manufacturers to CE mark their products. At our excellently equipped laboratory, we offer testing and certification services for all the types of glass that are used by various industries, such as insulated glass units for construction. Our glass testing services can also include witnessing tests on the manufacturer's equipment and inspection of manufacturing processes. We test and certify against EN, ISO and other standards, directives and regulations for the safety glass used in motor vehicles. For glass windows, doors, and other construction products, if there is a harmonized European Norm (hEN), the manufacturer has a legal duty in all EU

member states (from July 1, 2013) to provide CE Marking on the product and furnish a Declaration of Performance (DoP). Non-compliance with the applicable standards prohibits glass manufacturers from selling their products legally anywhere within the EU. We can also help you to identify the standards and regulations that apply to your products, thus ensuring you maintain marketability.

Founded 140 years ago, TÜV Rheinland is a global leader in independent inspection and certification services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life.

Our experience - your benefit

Thanks to our notifications and accreditations, we can support your project as Notified Test Body (no. 1750) and Notified Certification Body (no. 0336). In addition, we are accredited as an ISO 17025 Test Laboratory (no. L 484) and EN 45011 Certification Body (no. C058). Our highly specialized test laboratory supports our clients with extensive testing and certification services for all kinds of glass products to ensure their compliance with applicable regulations.

Our portfolio of services for glass products, such as windows, doors, façade elements, and glass with special properties include:

Testing and certification services for windows, doors, and glass elements in:

- Construction
- Automotive
- Ships
- Furniture
- Greenhouses
- Kitchens
- Showers
- Elevators
- Sound barriers along highways and railway tracks
- Packaging

Our testing services for all kinds of glass include testing on:

- Mechanical strength
- Durability
- Breakage behavior
- Temperature changing
- Radiation
- Humidity
- Luminous and solar characteristics
- Chemical resistance
- Water tightness
- Air permeability
- Resistance against wind load
- Burglar resistance

For safety glass, especially toughened glass or laminated glass, we offer additional services that include:

- Quality assurance audits to assure production proceeds according to the required national and international standards.
- Tests to ensure strength, durability and resistance against impacts.

To enable CE Marking of your glass product, we help you throughout the whole process. The following steps are followed:

1. Identification of the applicable standards to which your products are manufactured.
2. Identification of the relevant harmonized standards and of systems of assessment and verification of constancy of performance for the intended use of your products.
3. Issue an Evaluation of Conformity Certificate (or, for the new Construction Product Regulation, a Declaration of Performance document) to implement the CE Marking for your product.

All our services are tailored to the applicable EU regulations, offering you one-stop shop solutions for ranges of products. With our combination of testing and certification services we can help you in the process of CE Marking your products, thereby ensuring your success in the European market.

Relevant regulations

The new Construction Product Regulation (CPR) is steadily replacing the older Construction Products Directive (CPD). Under the CPR, Notified Bodies become Technical Assessment Bodies (TABs) and these perform certification, testing and assist manufacturers to issue a Declaration of Performance document, thereby proving the compliance of the product with the applicable regulations and enabling CE Marking.

Always a good sign.



This mark stands for all the information about products, services and systems that are tested, certified or inspected by TÜV Rheinland. Transparent, available anytime worldwide – powerful and unique. The TÜV Rheinland test mark.

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