

Abcite[®] Glassware



Glass made safe thanks to Abcite®



Shattering protection for glass surfaces

Glassware is frequently used for functional or decorative purposes. Glass is offering multiple advantages, but it has a main weakness, it can break.

Abcite® brings safety and the protection to all types of glassware.

Product features

- Superior adhesion on glass substrate
- Improves impact resistance
- Puncture and cut resistant
- High transparency
- High gloss
- Excellent chemical resistance (pH 1 to 12)
- Service temperature from -60°C to 75°C (should not be used for steam sterilizers)
- Environmentally friendly (no VOC, halogen free, BPA free)
- Easy to apply: by spraying or dipping
- Food contact compliant

Benefits

- Protection for functional or decorative glass: due to its high transparency, the product preserves the original glass appearance.
- Tough and strongly adhesive to glass, greatly improving the mechanical resistance of fragile glass pieces.
- In case of glass breakage, Abcite® protects users from injuries and prevents any exposure to the content of a glass container.

Typical applications

- Abcite® 585 EF is widely used as a shatterproof coating for glass bottles containing hazardous and expensive chemicals.
- It is well suited for coating light tubes intended for the food industry or medical facilities, where no glass splinters can be tolerated.
- For particularly fragile decorative glass or laboratory glassware, Abcite® 585 EF extends the pieces lifetime and enables a safe use.



Without Abcite®



With Abcite®



Simone Cenedese,
Master glassmaker,
Murano

Voice of the customer

Murano glass on board Fincantieri cruise ships: lighting and decoration made safe thanks to Abcite®.

Its refinement and precision cuttings have made Murano glass world famous. "Considered a luxury material, it is highly sought after as decoration for cruise ships", affirms Simone Cenedese, Master glassmaker in Murano worked closely with Axalta to bring this project alive. However Murano Glass drawbacks are its fragility and fragmentation when it breaks, with the potential of thousands of glass pieces harming passengers. Coating lightings made of Murano glass with Abcite® allows to avoid such fragmentation: while offering total transparency, Abcite® sticks extremely well to glass, containing pieces in case of breakage, thus preventing passengers from being injured.



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