

Materials, Design

GLAKS is extruded PMMA (high-strength acrylate) mixed with glass powder. It is perfectly flat, unbreakable, identical to glass in appearance, however, it surpasses glass in terms of flexibility and price. In many respects, GLAKS is an exclusive product – organic glass with a glossy or matte surface resistant to fingerprint marks. It also has excellent resistance to ultraviolet rays and is a modern alternative to silica glass. It is non-toxic, environmentally friendly and has excellent resistance to heat, water and stains.

VETRIX Technical Features

Due to the special surface finish, GLAKS is resistant to scratches, impact, abrasion, chemicals, and heat. This makes it suitable for a wide range of applications. GLAKS has passed a number of laboratory tests that have proven its main characteristics:

- Impact resistance
- Resistance to scratches and wear
- Colourfastness
- Easy to clean
- Heat resistance (up to 90 °C)
- Sanitariness
- Suitability for food contact

In addition, GLAKS is resistant to bacteria, therefore, it is particularly suitable to be used in places accessible to the public or in places where hygiene is extremely important, such as kitchens, bedrooms, bathrooms, shops, laboratories, surgical rooms, and the like.

Technical Specifications

- Base material: MDF; 16 mm for gloss / 14 mm for matte
- Front side: GLAKS, thickness: 2 mm for gloss / 3 mm for matte
- Back side: PMMA, thickness: 2 mm for gloss / 3 mm for matte
- Total material thickness: 20 mm for gloss as well as matte
- The front and back sides are equipped with a protective cover foil.

Tolerance

The tolerance for dimensions of a product against the values specified in the documentation may be ± 1 mm. Due to the stress of the materials used, the product may become bent – the permissible tolerance is ± 4 mm / 1 m.

Dimensions

- Minimum size: 100 mm x 100 mm;
- Maximum size: 3,000 mm x 1,250 mm (an edged product)
3,050 mm x 1,300 mm (an unformatted board)

Application and Instructions

- Suitable for furniture front surfaces in the interior of apartments, houses, and commercial spaces (furniture doors, facing materials, built-in cabinets);
- It can be machined by cutting, drilling or milling, e.g. for countersunk handles;
- Easy to clean;
- Suitable for contact with food (does not transfer pathogens).

Warning: *The supplied products are not suitable for outdoor use.*