



BG-NFT-AL.

Reliable Quality on Aluminosilicate Glass.

BG-NFT-AL.

Aluminosilicate glass is used for an increasing number of applications due its excellent break- and scratch-resistant properties. By the use of our unique etching process we are able to offer an anti-glare version of aluminosilicate glass that has many different functions and is ideal as a cover glass in your display.

Applications

BG-NFT-AL is for example used as a front display in the automotive industry as well as in mobile control devices for medical or industrial applications. A structured aluminosilicate glass like **BG-NFT-AL** is always the right choice when the strength of a soda-lime glass is no longer sufficient after the chemical strengthening, or the same strength must be achieved with thinner glass.

Processing

BG-NFT-AL glass can be processed like any untreated glass. Processes such as cutting, bending, drilling, edge grinding, chemical or thermal strengthening, printing (organic or ceramic), coatings or bonding are possible.

Moreover **BG-NFT-AL** glass can be processed to laminated safety glass.

Specifications

Basic glass	aluminosilicate glass
Product	BG-NFT-AL single side structured
Glass thickness	0.7/1.1/2.0 mm
Standard gloss value (US-Gloss 60°)	GL 110 (±10)*

Technical data (typical values at 1.1 mm thickness)

DOI (distinctness of reflected image)	55 %
Residual reflection	2.2 %
Clarity	85 %
Haze	1 %
Roughness Rz [µm]	1.1
Sparkling, interaction with display	14 %
Cleaning	commercially available glass cleaner

*Other gloss values on request

Key Functions

Anti-glare (AG)

- Light scattering in reflection and transmission
- Reduced reflection of sunlight and artificial light sources

Haptics

- Frictional resistance of etched glass much lower than of blank glass
- Precise control of touch systems
- Reduced contact area avoids dull surface

Robustness/Toughness

- Reduced sensitivity to contaminations such as fingerprints
- Easy to clean due to surface structure, no coating
- Resistant against most commercial cleaning agents
- Less scratch-sensitive than coating

Our Strengths Are Your Benefits

- Individual customer consultation
- Project-related development
- Fast and reliable order processing
- Packaging optimized to customer requirements
- Superior quality