

BG-NFT FOR DISPLAY APPLICATIONS.

ANTI-REFLECTIVE, OPTIMIZED FOR TOUCH, RIGID.



BG-NFT FOR DISPLAY APPLICATIONS.

Our unique etching technique structures the glass surface giving BG-NFT glass its functional versatility and makes it an ideal cover glass for display applications.

APPLICATIONS

BG-NFT is used for ticket machines, navigation systems, touch screens in medical technology and other industrial applications.

PROCESSING

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

BG-NFT glass can be processed to tempered safety glass (thermal), semitempered glass (thermal) or laminated safety glass.

KEY FUNCTIONS

Anti-reflex (AR)

- ▶ AR independent from the angle
- ▶ Minimizes reflection by light scattering

Haptics

- ▶ Frictional resistance much lower with etched glass
- ▶ Precise control of touch systems
- ▶ More precise contact avoids dull surfaces

Robustness/Toughness

- ▶ Contaminations such as fingerprints are significantly reduced
- ▶ Easy to clean effect by surface structure, no coating
- ▶ Resistant against most commercial cleaning agents
- ▶ Superior scratch resistance

OUR STRENGTHS ARE YOUR BENEFITS

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

SPEZIFICATIONS

| Products | NFT Gloss 70 single side structured | NFT Gloss 85 single side structured | NFT Gloss 100 single side structured |
|----------------------------------|--|---|---|
| Applications area | outdoor application | outdoor application/indoor applications | indoor application |
| Qualified for display resolution | Full HD respectively < 200 ppi | Full HD respectively < 200 ppi | Full HD respectively < 200 ppi |
| Standard glass thickness* | 1.6/2.0/3.0/4.0/5.0 mm | | |
| Standard size* | 1,600 x 1,020 mm & 1,600 x 640 mm | | |
| Gloss value (Europe 20°)* | GW45 (±5) | GW 50 (±5) | GW 65 (±5) |
| Gloss value (US-Gloss 60°)* | GL 70 (±5) | GL 85 (±5) | GL 100 (±5) |
| Current monitoring | 1.450 | 9.254 | yes |
| Electronical shutter | 1.890 | 4.210 | yes |

Technical data (typical value)

| | | | |
|--|--------------------------------------|------|------|
| Clarity | 65 % | 70 % | 85 % |
| Haze | 5 % | 3 % | 2 % |
| Roughness Rz (µm) | 1.2 | 1.1 | 0.9 |
| Interaction with display, sparkling | 9 % | 9 % | 9 % |
| Haptics (friction measured with sample material leather in mN) reference point blank glass | 70 % | 75 % | 80 % |
| Cleaning | commercially available glass cleaner | | |

*other thicknesses, sizes and gloss values on request