

# CONTURAN® Tough AS: The superior choice

High mechanical stability meets proven anti-reflective coating for the intelligent cover glass solution

## 150% higher impact resistance compared to chemically toughened standard float glass – CONTURAN® Tough AS

SCHOTT has expanded its well-known CONTURAN® product range of advanced anti-reflective cover glasses with a new aluminosilicate base substrate. It offers superior mechanical stability in a thin and light weight glass thickness. CONTURAN® Tough AS provides over 150% higher break and impact resistance as a comparable standard soda-lime float glass. Furthermore it offers the highest levels of flexural strength and scratch resistance.

The proven high-quality anti-reflective coating provides an optimal view of contents even under difficult lighting conditions. This coating is highly resistant to both abrasion and chemicals and therefore extends the service life of CONTURAN® Tough AS making it resilient and easy to clean.



### Specifications and options

CONTURAN® Tough AS is based on durable aluminosilicate glass with a unique anti-reflective coating, optimized for chemical tempering, offering outstanding optical performance and high durability.

It is available as chemically toughened, customized cover glass with several processing options available, e.g. screenprinting, easy-to-clean/anti-finger print coating, laminating etc.

### Advantages at a glance

- More than 150% stronger than comparable float glass
- Reduction of reflection by more than 90% to below 1%
- Proven mechanical and chemical resistant anti-reflective coating
- Reduced risk of breakage, increased safety
- Weight reduction by using thinner substrate with same impact resistance
- Compatible with high resolution touch displays
- Various processing options for individual customization are available

### Applications

- Medical displays
- HMI industry displays
- Ruggedized displays
- Outdoor displays
- Touch-screen displays
- 4K / 8K displays

### Specifications CONTURAN® Tough AS

|                              |  |
|------------------------------|--|
| Max. standard dimensions     | 350 mm x 650 mm<br>(larger sizes on request) |
| Thickness                    | 2.1 mm                                       |
| Compressive stress (CS)      | > 550 MPa                                    |
| Depth of layer (DoL)         | > 20 µm                                      |
| Visible light transmission   | > 98 %                                       |
| Visible light reflection     | < 1 %  |
| Mechanical impact resistance | IK08 (5J) based on EN 62262*                 |
| Coating Scratch resistance   | 9H (achieved in pencil hardness test)        |

\* Test with a free falling steel ball (1063 g) from a height of 50 cm

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