

# iA

## Screen Protection

**Mitigate Fear. Protect Your Devices.**

**D3O's dilatant materials are designed to absorb and dissipate energy in response to blunt force impact.**

D3O® Impact Additive (iA) is the pioneering ingredient revolutionizing the performance of screen protection. Used in the screen-facing layer of film, glass, and hybrid products to offer enhanced protection.



Appearance	Colourless viscous liquid
Viscosity s63 6 rpm, 25°C, 120 seconds	1700 - 2400 Cps
Viscosity s63 20 rpm, 25°C, 120 seconds	1288 - 1688 Cps
Viscosity s63 60 rpm, 25°C, 120 seconds	1150 - 2000 Cps
Hydroxyl Value	242.6 mg/KOH
Odour	Odourless
Boiling point	> 200 °C
Relative density	1.01 g/cm3
Solubility	Miscible with water

### Guidelines for D3O® iA application in OCA glue on screen protector:

1. Bring the viscosity of D3O® iA close to that of your current AB glue using alcohol solvent if needed.
2. Loading in the glue: the recommendation is to start from 10% (diluted D3O® iA), you can adjust the loading from 5% to 10% based on the final screen protector quality.
3. Prepare the sample on the current process.

