

NANO-X Information

Multifunctionality:

Scratch and abrasion resistant coating systems in combination with hydrophilic or hydrophobic surface properties give a high range of innovative applications.



Polycarbonate visor

Inside coated with x-view® AB 3011

Outside coated with x-protect® KR 3611

Anti-fogging

Principle:

The x-view® AB series are coating materials for plastics and glass surfaces against fogging. The formulation generates an only few nanometers thin transparent hydrophilic film on the surfaces.

Product properties:

- Good adhesion on plastics and glass
- Good cleaning stability
- Good stability by water vapour test
- Good resistant to temperature changes

Fields of application:

- Polymer substrates (optical devices, lenses, displays, etc.)
- Metals (stainless steel, aluminium, etc.) with scratch resistant or hydrophilic water spreading properties

Scratch Resistance

Principle:

The x-protect® KR 3000 series are coating materials for plastics and varnished surfaces. The formulation generates a transparent inorganic-organic film to increase the abrasion, scratch and chemical resistance.

Product properties:

- Good adhesion on plastics (PC, PMMA, PES, PS)
- High abrasion resistance against steel wool, sand and abrasive cleaning
- Good resistance against colouring substances, solvents, acids and alkaline cleaners
- Good water resistance (salt water, chlorinated water)
- Good resistance to temperature changes
- Good climatic and ultra violet resistance

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