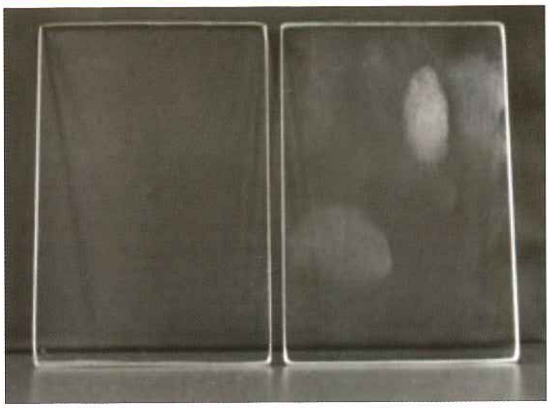
機能性薄膜
Functional Thin-Film

Nanosmart シリーズ
Nanosmart Series

Nanosmart AF-F <超薄膜耐指紋性コーティング剤>
Ultra Thin-Film Coating Agent for Anti-Fingerprint

- 指紋拭き取り性に優れる
- 外観変化なし
- 金属(ステンレス、クロムめっき など)や
  ガラス基材に対し優れた密着性を有する
- ディッピング塗布、スプレー塗布
- 処理温度　金属基材　:60～120℃
  ガラス基材:60～150℃

- Excellent wiping ability of fingerprint
- No change in appearance
- Excellent adhesion strength to glass material and metals such as stainless steel, chromium plating and others.
- Application by spraying or immersion
- Treatment temperature　For metal : 60 to 120 ℃
  For glass : 60 to 150 ℃

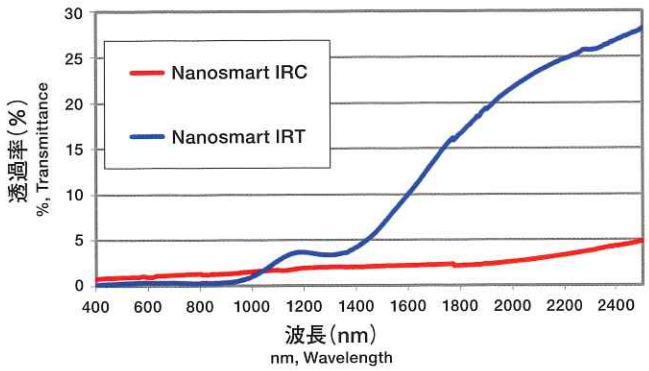


施工品
Processed　　未施工品
Unprocessed

Nanosmart IRT/IRC <赤外線透過型/遮蔽型 焼成用黒色ガラスカラー>
Infrared Ray Transmission／Shielding Type Black Glass Color for Firing

- 赤外線透過型: IRT
  紫外線と可視光を遮断し赤外線を透過
- 赤外線 遮蔽型: IRC
  紫外線、可視光、赤外線を遮光
- 焼成後の塗膜は完全無機質で、硬度、耐候性に優れる
- スクリーン印刷塗布
- 焼成温度　580～650℃

- Infrared Ray Transmission Type: IRT
- Transmitting infrared ray and shielding UV and visible light
- Infrared Ray Shielding Type: IRC
- Shielding UV, visible light and infrared ray
- High hardness and superior weather resistance can be obtained since the film after fired is completely inorganic.
- Application by screen-printing
- Firing temperature: 580 to 650 ℃



波長と透過率の関係
Relation between transmittance and wavelength

Nanosmart DB <プレス曲げ対応 焼成用無鉛黒色ガラスカラー>
Lead-free Black Glass Color for Firing Corresponding to Press Bending

- プレス曲げ成型用の金型に付着せず、曲げ加工性に優れる
- 焼成後の塗膜は完全無機質であり、硬度、遮蔽性、耐候性に優れる
- 用途:タブレット、ディスプレイの枠(周囲)装飾などの曲げ加工デザインガラス
- スクリーン印刷塗布
- 焼成温度　650～800℃

- Does not adhere to press mold for forming by press bending, and excellent bending processing ability.
- High hardness, shielding ability and superior weather resistance can be obtained since the film after fired is completely inorganic.
- Usage: Decorative design glass applicable to bending process for tablet and display frames
- Application by screen-printing
- Firing temperature: 650 to 800 ℃

プレス曲げ加工後
After press bending processing