

SHIELD

GREEN COATINGS

At HANAPAIN, we are committed to the development and implementation of chemical products and processes to reduce or eliminate the use and generation of substances hazardous to human health and the environment.

HANASHIELD series was developed with that in mind. Each and every product was formulated with the environment as a first priority, ensuring that everything that we do is in line with the green initiatives and yet maintaining the high level of performance and standards needed for a long lasting performance.

HANASHIELD INTERIOR

- Water-Based Finish coating
- Can also act as sealer for subsequent water based coatings
- **Low** VOC
- Good Adhesion Performance
- Good **alkaline and efflorescence resistance**
- Available in a wide range of colours



Hygienic Coatings is especially suitable for use in hospitals and hospice wards where superbugs are prevalent.

HANASHIELD EP-500

- Solventless Epoxy Finish
- High Volume Solid
- **Low** VOC
- Specially formulated compound which is **antibacterial**, providing **ultra hygienic protection**

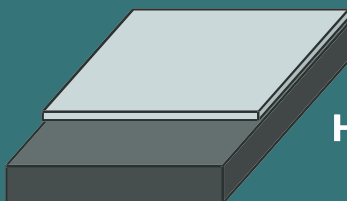


HANASHIELD KURIN

- Water-Based Finish Coating
- **Low** VOC
- Specially formulated compound which is **antibacterial**, providing **ultra hygienic protection**
- Available in a wide range of colours



INTERIOR

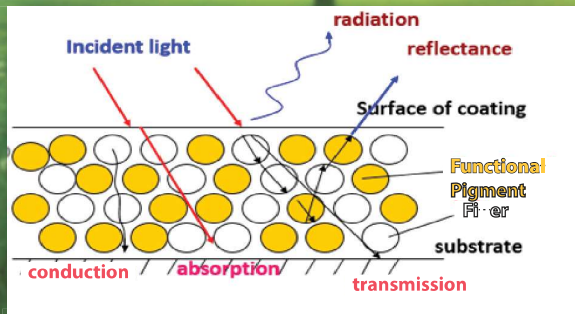
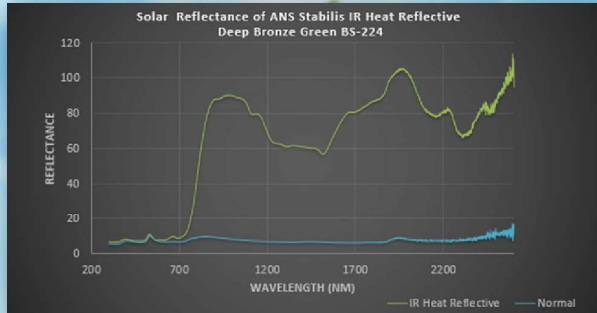


HANASHIELD (TOPCOAT)
SUBSTRATE

HANASHIELD INTERIOR TOPCOAT

- HANASHIELD INTERIOR
- HANASHIELD EP-500
- HANASHIELD KURIN

SHIELD GREEN COATINGS



Hanashield Cool/HIR Coating is applied on building facades and rooftops to lower interior temperatures of the buildings.



HANASHIELD GLO

- Water-Based Premium Finish Coating
- Near-Zero VOC
- Excellent Colour and Gloss Retention (Passed 3000 hours QUV Test according to ASTM 4587-11/ISO 4892-1:2016)
- Available in a wide range of colours

HANASHIELD COOL/HIR

- Water-Based IR Heat Reflective Thin/Film Coating
- Near-Zero VOC
- Excellent Colour and Gloss Retention (Passed 3000 hours QUV Test according to ASTM 4587-11/ISO 4892-1:2016)
- Significant Reduction in Interior Room Temperature
- Tested by TÜV SÜD PSB
- Comply to the Global Total Solar Reflectance (TSR) Standard
 - JG/T 235-2014 (China)
 - JIS K 5675 (Japan)
 - LEED/ASHRAE/IECC/Energy Star (USA)
 - SGLS Label of Solar Reflectance Coating (Singapore)

EXTERIOR

HANASHIELD EXTERIOR TOPCOAT

- HANASHIELD COOL
- HANASHIELD GLO

The heat that we have been experiencing is mostly due to the Infrared (IR) radiation that makes up about 49% of the total solar spectrum.

Hanashield Cool/HIR coating works by reflecting the incident IR radiation directly from the coated surface using special functional pigments, thereby cooling the coated surface and indirectly reduce the interior temperature of the building.

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