

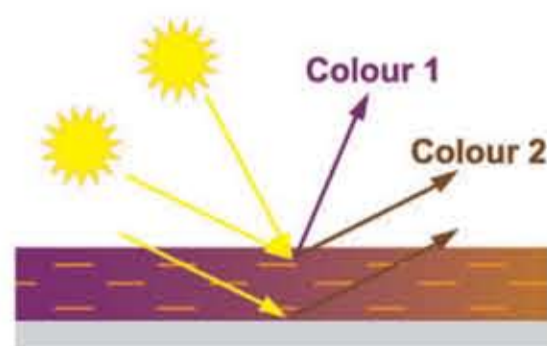


DUOTONE PVF₂ Series™

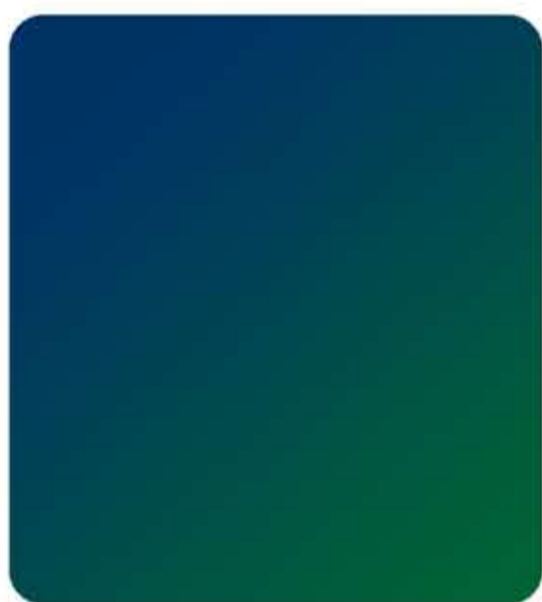
COLOUR PALETTE

COLOURCOIL® DUOTONE PVF₂ Series™

- State-of-the-Art INFRA-RED Coating Technology
- Genuine 70% Full strength Kynar 500® Fluorocarbon Paint System
- Ultimate Weathering Resistance against Colour Retention Durability
- Resistant to Dirt Pickup and Staining
- Energy-Efficient Solar-Reflective System
- Environmentally Friendly - Mercury and Lead-free coatings
- Ever-Changing colour gradient with amazing highlights
- Exhibits Opulent Appeal



| | | | | | | | | | | | |
|----------------------|-------------------|------------|--------------------|------------|------------------------|------------------|---------------|-------------------------------|------------------|----------------------|-----------------|
| INFRA RED | ASTM | Durability | Thermal Efficiency | Recyclable | Environmental Friendly | Made in Malaysia | 55% Al-Zn | KYNAR 500 | KOOL | 20/25 Year Warranty* | IKRAM Certified |
| High Tech Production | American Standard | | | | | | AluZinc Steel | PVF ₂ Fluorocarbon | Solar Reflective | | |



Ultra Marine
SR 0.25 SRI 25.35



Ultra Bronze
SR 0.29 SRI 29.63



Ultra Violet
SR 0.36 SRI 39.02

Colours subject to change according to manufacturer's discretion.

THICKNESS & WIDTH

| Size Availability | |
|------------------------|-----------------|
| Thickness (BMT) | 0.40mm - 1.00mm |
| Width | 600mm - 1250mm |
| Coil Internal Diameter | 508mm - 610mm |
| Exit Coil Weight | 3 mt - 5 mt |

- Substrates
 - Aluminum Zinc Coated
 - Aluminum

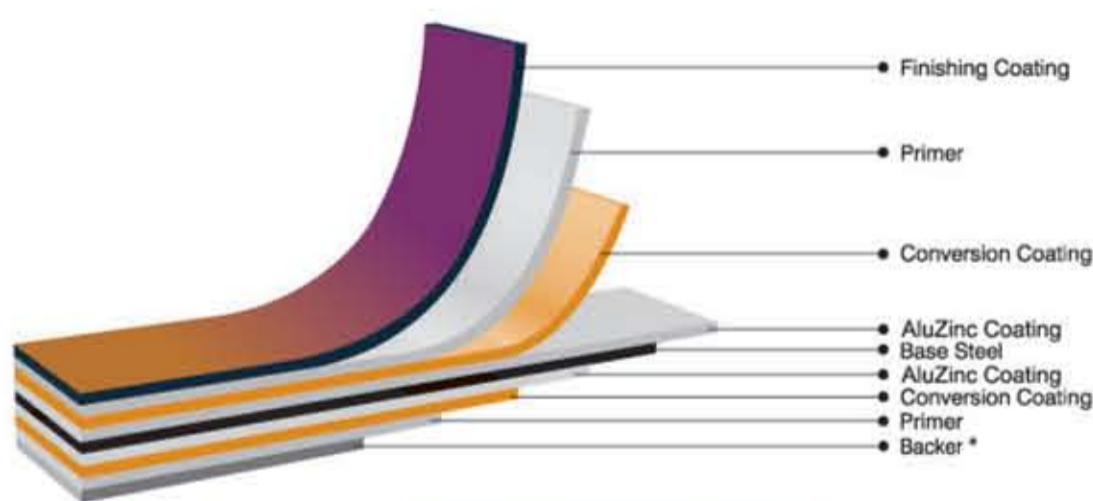
PROPERTIES

| Chemical Properties | | | | |
|---------------------|---|--|---|---|
| Test | Salt Spray Resistance | Humidity Resistance | Accelerated Weathering | Chemical Resistance |
| Standard | ASTM B 117-85 | ASTM D 2247-87 | ASTM D 882-89 | ASTM D 1308-87 |
| Condition | 5% neutral salt solution spray for 2000 hours | 100% humidity at 100° F for 1000 hours | 2000 hours in weatherometer | 24 hours exposure to 10% HCl and H ₂ SO ₄ |
| Result | No blistering and loss of adhesion | No blistering, cracking, peeling and softening | No chalking, blistering or loss of adhesion | No significant colour change |

| Physical Properties | | | | |
|---------------------|----------------------------|--|------------------|--|
| Test | Hardness | Impact Deformation | Bend Adhesion | Cross Hatch Adhesion |
| Standard | ASTM D 3363-74 | ASTM D 2794-84 | ASTM D 4145-83 | ASTM D 3359-87 |
| Condition | Using Faber-Castell pencil | Direct and reverse impact on Gardner Impact Tester | 180° T-Bend test | Tape-off on eleven cross scoring line 1/8" apart |
| Result | F minimum | 10 Joule minimum | 4T minimum | No paint removal |

*Warranty terms & conditions apply

COATING SPECIFICATION



| Top | | Back | | Gloss |
|--------|---------|--------|--------|-------|
| Primer | Finish | Primer | Backer | Level |
| 5 | 33 - 35 | 5 | 5 | 25% |

Unit : Microns μm

What is Solar Reflectivity (SR)?

Solar reflectivity or reflectance is the ability of a material to reflect solar energy from its surface back into the atmosphere. The SR value is a number from 0 to 1.0. A value of 0 indicates that the material absorbs all solar energy and a value of 1.0 indicates total reflectance. Energy Star requires an SR value of 0.25 or higher for steep slope (above 2:12) roofing and an SR value of 0.65 or higher for low slope (2:12 or less) roofing. For more information, please go to www.energystar.gov.

What is Solar Reflectance Index (SRI)?

The SRI is used to determine compliance with GBI requirements and is calculated according to ASTM E 1980 using values for reflectance and emissivity. Thermal emissivity (TE) is a material's ability to release absorbed energy. To meet GBI requirements, a roofing material must have an SRI of 29 or higher for steep slope (above 2:12) roofing and an SRI value of 78 or higher for low slope (2:12 or less) roofing. For more information, please go to www.greenbuildingindex.com.

* Authentic Colourcoil Duotone PVF2 Series are brand marked on the backing coat.

"Opulent Appeal"



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