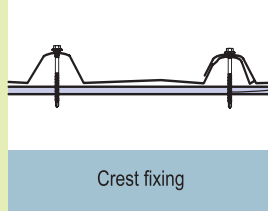
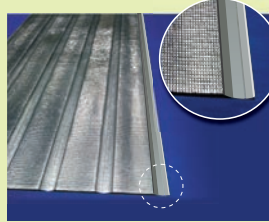


Installation Do's

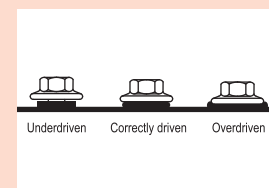
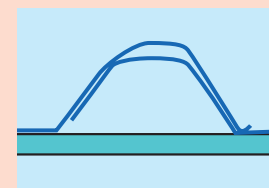


- ✓ Use recommended Personal Protective Equipment while handling and installing the sheets
- ✓ Always wear smooth and soft-soled shoes. Hard particles picked by shoe sole can cause damage to the sheets during installation on the roof
- ✓ Cut materials on the ground and not on the sheets as hot particles can fall and damage its finishing
- ✓ Use good quality shear or a power saw with a metal cutting blade to cut thin sheets. Avoid carborundum disc
- ✓ Use chalk line and fix screw directly on the supporting members. For DURASHINE® COOLSHIELD use 55mm self-drilling screws/fasteners of Class 3 with EPDM rubber sealing washers. Decide the screw size depending on the nature of installation
- ✓ Insulation is not provided at the overlap portion (~25mm) to ensure perfect overlapping

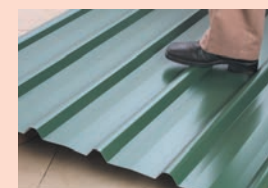


- ✓ Always place roof screws through the crest. The only screws at valley at the end lap to be sealed using neutral cure silicone rubber sealants
- ✓ Use neutral cure silicone rubber sealants on side and end laps
- ✓ Remove all metal scrap, drill particles, pop rivet mandrels and excess fasteners from full roof completely
- ✓ Wash the sheets with clean water or mild detergent by using soft cloth, mop or soft nylon bristle to avoid swarf stains and rusts
- ✓ While walking on the roof, keep your weight evenly distributed to avoid concentrating your weight on either heels or toes
- ✓ Structures like tubes, HSS, angles and channels (except Zinc coated supporting structures) should be properly painted before fixing the sheets
- ✓ Remove the guard film immediately after installation

Installation Don'ts



- ✗ Don't keep sheets in contact with cement, soil, water, moisture, dirt & chemicals like paint and thinner
- ✗ Don't install sheets during rains. Sheets get wet and slippery
- ✗ Don't use stainless steel screws, "J" hooks and carbon washers as they damage the sheets. Don't use acetic acid based sealants which liberate aggressive by-products during curing, detrimental to sheets
- ✗ Don't overdrive or under drive the screw as it can lead to water leakage or washer damage



- ✗ The groove portion should not be on the outer side. Improper contact makes the roof vulnerable to water leakages
- ✗ Don't throw bird feed on the sheet. Bird dropping can damage the sheet.
- ✗ Never use abrasive or solvent type cleaners and wire brushes, steel wool/sponge, scrubs to clean the sheet as it softens the paint film
- ✗ Don't walk on a single rib, end laps, gutter and skylight sheets



Instructions for fasteners: Use carbon free washers with class 3 fasteners for installing Durashine sheets and Accessories.



Maintenance Recommendation: Clean and maintain your roof regularly to remove dust and dirt.

Colour shades are for reference only and actual colour of the product may. Colour range and product range is subject to availability. The above product is subject to the guidelines available at www.tatabluescopesteel.com and this shall not be construed as warranty or guarantee of the product of any kind whatsoever.



Dealer Name and Address



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durashine[®]
TATA BLUESCOPE STEEL
COLORing lives in steel



Warmer in winters

Cooler in Summers



Helps to maintain inner temperature



Supports to reduce external sound



Helpful in controlling moisture



Helps to maintain temperature

World-class insulation on the inside surface of the sheet reduces heat penetration during summers and renders better thermal protection during winters.



Supports to reduce external sound

Insulation mitigates vibrations caused due to rains and reduces external sounds.

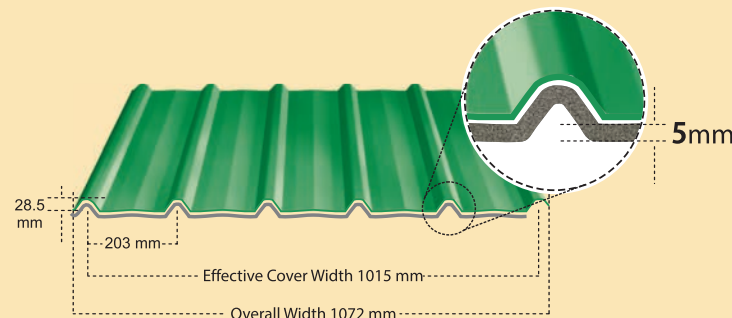


Helpful in controlling moisture

Reduces moisture on inside surface of the roof



Actual image of DURASHINE COOLSHIELD sheets

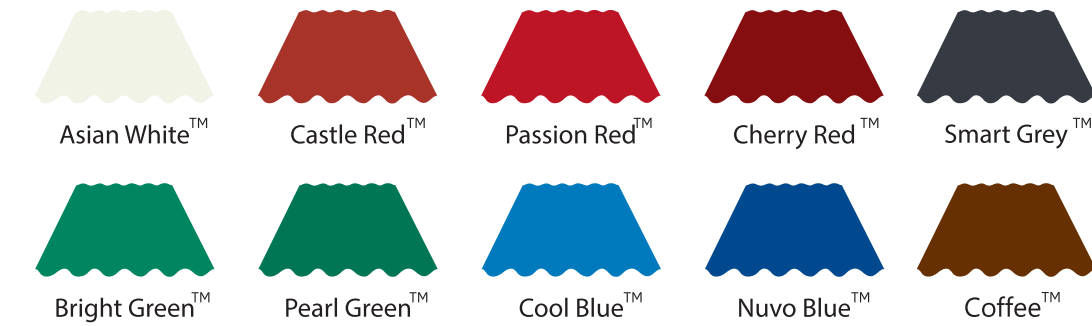


Material Specification	
Total Painted Thickness (mm)	0.37 / 0.47 / 0.52 / 0.62
Sheet length* (feet)	8, 10, 12, 14, 16, 18, 20, 22, 24
Insulation Thickness (mm)	5

Delivers an outstanding performance with the combination of world-class insulation and aluminium foil

*Sheet length in feet is approximate value | Accessories also available

Standard Colour Range (For all products and accessories)



Usage Guidelines



Not to be used in environment with fire exposure or incidental fires

- ✓ The sheet to be used with insulation film on inner side (not exposing to sun)
- ✓ The insulation film waste should not be put in sewage/drainage system
- ✓ Roof/Wall (sheets & components) must be cleaned regularly. Ensure no scratch/damage occurs to the sheets during removal and cleaning.
- ✓ Twigs, debris, sand, dust, plant leaves and fungal (all external matters) should be removed and then sheets should be washed off with clean water or mild detergent using a soft nylon brush.
- ✓ Clean from top to bottom and give a final wash with clean water. Ensure no water is trapped/ ponding anywhere

Terms and Condition:

Tata BlueScope Steel Pvt. Ltd. ("the Company") does not recommend usage of DURASHINE COOLSHIELD (insulation sheet) in an environment prone to catch fire or exposed to fire in any way. Usage of it shall be at the sole risk of a customer.

The company shall not be liable for any losses, damages, etc. for its usage, direct or indirect, of any kind whatsoever including but not limited to loss of life, loss of property, damage to any property, personal injury etc. This product is subject to usage and maintenance guidelines available on www.tatabluescopesteel.com



Do's

Material Transportation, Handling & Storage



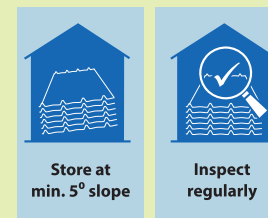
Don'ts



✓ Storage and usage is recommended to be always away from any fire/high temperature objects



✓ Store indoor and away from access to open areas. If left in the open, protect with waterproof covers. Storage with a minimum 5 degrees slope (1:10). Avoid contact with moisture/water for insulated sheets especially the insulation part



✓ If material is not required for immediate use, stack it neatly over ground with a clear gap of 30 cm between sheets ground. Stacking should be done gently to avoid damage



✓ Use appropriate support for handling of long sheets. For small to medium size buildings, without mechanical handling facilities unload and pass sheets by hand to the roof one at a time

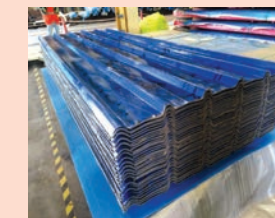
✓ Use Personal Protective Equipment such as clean hand gloves and closed shoes while lifting sheets



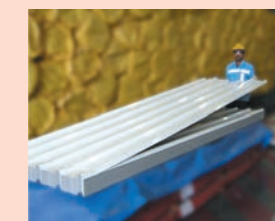
✗ Don't use in areas with contact to high surface temperature or such objects nearby



✗ Don't store in open space and keep away from direct sunlight and moisture/ water



✗ Don't keep heavy material on stacked sheets and don't use metal chains to lift sheets



✗ Don't place sheets vertically without proper support

✗ Don't keep sheets in direct contact with soil or water or on the walking paths. Avoid movement of people on the sheets during storage

✗ Don't slide sheet over rough surface or over each other. Always carry tools, don't drag them