



Thank You For Buying **DURASHINE® Sheets**

Shine On! Smart Tips to Keep Your Roof Shining for Years



#ShelterForAll

Leaders in Colour Coated
Roofing and Cladding Solutions

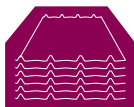
Material Storage



Do's



**Store
Indoors**



**Store
under Cover**

Store indoors and away from access to open areas. If left in the open, protect with waterproof covers.

If material is not required for immediate use, stack it neatly and clear off the ground.

Maintain a clear gap of 30 cm between the sheet package and the ground.



**Store at
min. 5° slope**



**Inspect
regularly**

Store off the ground and with a minimum 5-degree slope (1:10) so that if rain penetrates the covering, water will drain away.

Inspect the storage site regularly to ensure that moisture has not penetrated the stock.



If stacked or bundled product gets wet, separate it without delay, wipe it with a clean cloth and allow it to dry thoroughly.

The sheet should be kept gently to ensure that it is not damaged.



Use a spreader bar for long sheets. For small to medium size projects, without mechanical handling facilities, unload and pass sheets by hand to the roof one at a time.

Use Personal Protective Equipment such as clean gloves and closed shoes while lifting.

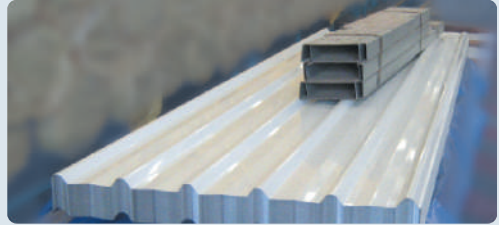
Material Storage



Don'ts

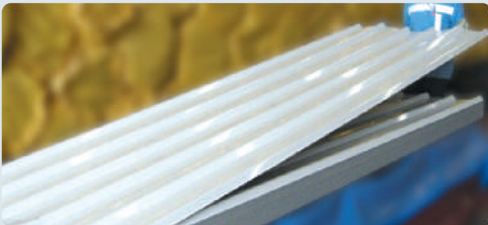


Don't store material on the walking path. The sheet movement path should be clear and movement of people should be restricted.



Don't keep heavy material on stacked sheets.

Don't place sheets vertically without proper support.



Don't slide sheets over rough surfaces or over each other. Always carry tools, do not drag them.



Don't keep sheets in direct contact with soil.

Don't let the surface get wet.



Do's for Installation



Use recommended Personal Protective Equipment (helmet, goggles, shoes, gloves and high visibility vests) while handling and installing the sheets

Always wear smooth and soft-soled shoes



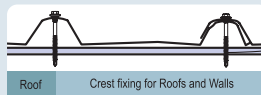
Cut materials on the ground and not on other material where hot particles can fall and cause damage to the finish of the sheet.

Remove all metal scrap, drill particles, pop rivet mandrels and excess fasteners from the roof to avoid rust stains.



Use a power saw with a metal-cutting blade to cut thin sheets.

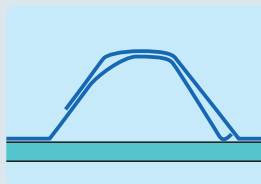
This results in fewer hot metal particles and leaves less burr than a carborundum disc.



For Roofing: Always place roof screws through the crest.

For Walling: Always fix screws either in the valley or through the crest by stitching.

Use recommended screws/fasteners of Class 3 with EPDM rubber sealing washers.



The groove portion should be on the inner side.

The air gap on left-hand side ensures that water does not travel upward



Structures like tubes, HSS, angles and channels (except Zinc coated supporting structures) should be painted before fixing the sheets.

Use neutral-cure silicone rubber sealants



Clean the roof with clean water or mild detergent by using soft cloth, mop or soft nylon bristle brush to avoid swarf stains and rusts.

Use chalk line and fix screw directly onto the supporting members.



While walking on the roof, keep your weight evenly distributed to avoid concentrating your weight on either the heels or toes.

Removal of Guard Film



Remove the guard film after installation.

If not removed it could have an adverse effect on the colour and will break into pieces due to weathering effects. Post removal of the guard film, clean the sheets. For cleaning, use normal water or a cloth. If there are ink marks or glue on sheets after removal of the guard film, then clean them with toluene.



Maintenance Guidelines

Maintenance guidelines for DURASHINE® sheets & components:

Roof/Wall (sheets & components) must be cleaned regularly. Twigs, debris, dust, plant leaves and fungal (all external matter) should be removed and then the roof should be cleaned with water. Ensure no scratch/damage occurs to the sheets during removal.

Post Installation:

Check for screws, rivets, nails, sheet metal off-cuts, tin cans, etc leftover on top of sheets. Large/sharp or heavy items should be removed by using gloves.

Check for sand or dirt build-up, it should be washed off with clean water and a soft nylon brush.

Clean from top to bottom and give a final rinse with water when completed. Ensure no water is trapped anywhere.

Regular Maintenance:

Sweep debris into a pile using a stiff, soft bristled brush (shovels or hard tools should not be used).

The whole roof and gutters should then be washed down with a hose, including high ends of gutters possibly protected by overhangs, rain heads, water spouts and overflow locations.

Ensure no water is trapped or ponding anywhere.



Don'ts for Installation



Don't keep colour-coated sheets in contact with cement, dirt and chemicals like paint and thinner



Don't install the roof sheets during rains, as sheets get wet and slippery.



Don't leave metal articles on the roof.

Don't throw bird feed on the sheet. Bird droppings can damage the colour of the sheet.

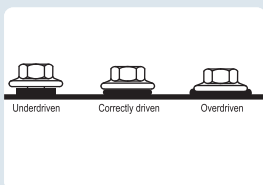


Don't use acetic acid-based sealants which liberate aggressive by-products during curing which is detrimental to steel sheets

Never use abrasive or solvent type cleaners and wire brushes, steel wool, sponges, scourers to clean roof sheets, as they soften the paint film



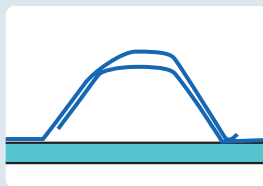
Don't use stainless steel screws, J hooks and carbon washers as they may damage the sheet.



Don't overdrive or under drive the screw as it can lead to water leakage or washer damage.



Don't walk on a single rib, end-laps, gutters, and skylight sheets.



The groove portion should not be on the outer side. Improper contact makes the roof vulnerable to water leakages.

Disclaimer on Condensation:



Condensation is the natural formation of water droplets on the bottom side of any installed metal roofing sheet. It may occur when there is a difference in temperature between the air in the building and the sheet itself, causing the water vapour (moisture) in the air to condense on the inside of the sheet. It is a natural phenomenon and hence no claims will be entertained in this regard.

The risk of condensation may be minimised by providing proper ventilation arrangement in the roofs and by using suitable insulation.



Instructions for fasteners: Use carbon free washers with class 3 fasteners for installing DURASHINE® roofs 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 vary. 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.

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