

HunterDouglas

HUNTER DOUGLAS LIMITED
Metals Quality Assurance Department

Lab Investigation Report

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From: Jay Nair

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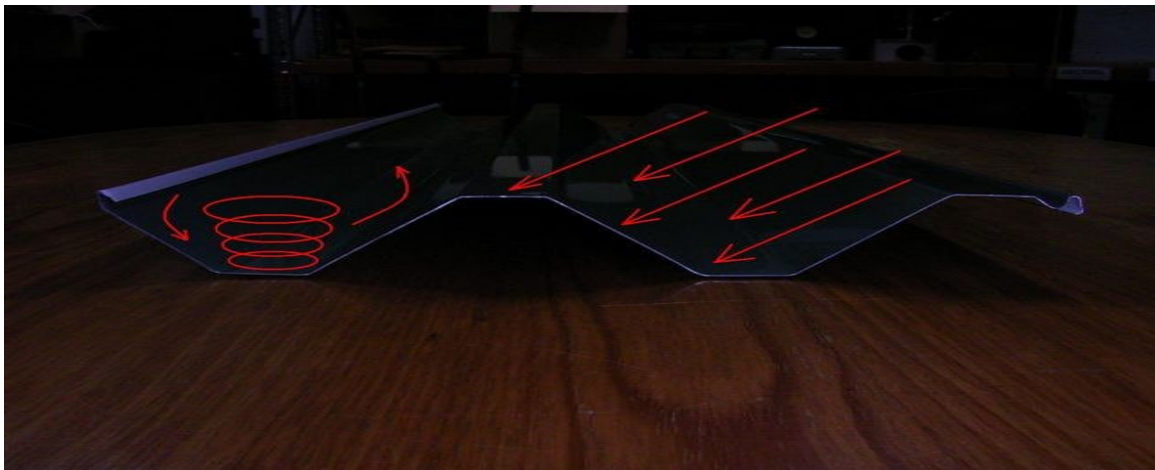
Subject: Advantages of W –pan SS roofing over flat profiles

Background:

There has been a number of requests from HIP dealers to outline the advantages of HD SS roofing profile over flat profiled roofing products offered by competitors.

Advantages :

1. W –pan profile offers more structural strength and integrity than flat profiles. This is because W profile uses more material per square metre than flat profiles.
2. W-pan profile also offers lesser heat absorption than flat profiles due to the generation of a temperature gradient across the surface.



The energy from the sun is incident on the roof at different angles. This sets up small amount of circulating air profiles as shown above on the roof resulting in less heat absorbed by the surface. On a flat surface the energy from the sun uniformly heats the surface resulting in comparatively higher roof temperature.
