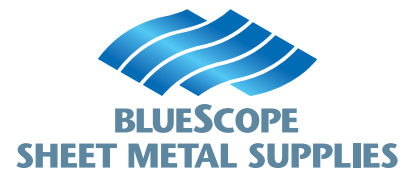


CASE STUDY

CSR BRADFORD - SPACERX



CATEGORY:
Building & Construction

LOCATION:
SYDNEY, NSW

PRODUCT:
ZINCALUME® STEEL

BlueScope Technical Expertise Helps Deliver Innovative Roofing Solution

Working closely with BlueScope Sheet Metal Supplies and calling on our team's technical support, CSR Bradford have created an exciting new Roof Spacer product manufactured in ZINCALUME® G500 AM125 steel that will benefit installers, building owners and building occupants alike through its ease of installation and enhancement of the thermal performance of Bradford's renowned insulation products.

A leading Australian manufacturer of premium energy saving insulation products with a history reaching back over 80 years, CSR Bradford specialises in products designed to provide thermal and acoustic solutions for residential, commercial and industrial applications.

Key to ensuring their roofing insulation products deliver the high standard of thermal performance they are designed to provide has been the Roof Spacer System, which CSR Bradford introduced – and in particular their recently launched roof spacer product SpacerX.

Zincalume®

“BlueScope’s extensive knowledge of steel materials was invaluable to our design process. Their professional advice gave our business the assurance to continue developing and investing in the new SpacerX product”

- Mariana Lai, CSR Bradford’s Senior Product Manager
Commercial Insulation

Essentially, the Roof Spacer System raises the roof sheet above the purlin, creating a defined space between the safety mesh and the roof sheet. This allows the correct amount of space under the roof sheet to ensure the insulation can recover to its design thickness and provide its rated insulation value.

Seeking to further expand their roofing portfolio and quality offering to the market, CSR Bradford commenced the SpacerX project at the end of 2016.

They turned to BlueScope Sheet Metal Supplies for help and advice on the steel material selection which would be critical to the success of the new SpacerX product as Mariana Lai, CSR Bradford’s Senior Product Manager – Commercial Insulation, explained.

“Structural integrity of the spacer was crucial because, as part of the roof structure, SpacerX had to meet stringent technical requirements including cyclonic testing, which is principally determined by the material grade and thickness,” Mariana said.

“Production cost was also a factor; as the core component in the production of SpacerX, the steel material has the greatest impact on ongoing cost of goods. Material compatibility was also key because roof spacers are installed between the purlins, insulation and roof sheets to form a complete roof system, so it was important that the spacer material and its coating would be compatible with all adjacent materials in the roof at point of install and post-construction.”

“The product needed to be manufactured to a high quality with a tight tolerance as these have a direct impact on the tooling requirements and also the assurance that the product will be within spec consistently with every batch of materials. As we don’t usually manufacture steel roofing materials, BlueScope’s extensive knowledge of steel materials was invaluable to our design process; their professional advice on the material selection and compatibility assessment gave our business the assurance to continue developing and investing in the new SpacerX product.”

Speaking to Walter Suber, BlueScope’s Market Development Manager it’s clear he and the BlueScope Sheet Metal Supplies team enjoyed working with CSR Bradford on the SpacerX project.

“We have a very good working relationship with the CSR group and it was a pleasure to collaborate with CSR Bradford in developing an exciting, innovative product that will assist builders and installers in producing more eco-friendly warehouse and commercial spaces where the efficiency of the insulation medium is maximised. It’s a win-win situation for building owners and also building occupants, as they both benefit from more energy efficient and environmentally friendly structures,” Walter said.

“There were many criteria involved, so our technical group sat down with the customers and assisted them in ensuring they had the correct material selection and looked at corrosion issues

or any concerns in that area as well to give them peace of mind regarding the performance of the product they were introducing into the marketplace.


“We also assisted in evaluating the best method of manufacture; it all depends on the complexity of the section involved and the tolerances required, which were very fine in this case,” Walter continued.

“The replication of the SpacerX sections had to be very true, so one would basically click into the next. The result is a system that is less complicated, easier and much faster to install. When we’ve spoken to installers, all agreed that this is definitely a superior product.

“As a proud Australian manufacturer, BlueScope Sheet Metal Supplies always stands ready to provide quality steel products and extensive technical support to our fellow local manufacturers in creating exceptional and innovative products, such as CSR Bradford’s SpacerX, which benefit their businesses and our country,” Walter concluded.

For more information visit
www.bradfordspacerx.com.au

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www.sheetmetalsupplies.com.au



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