

## ***Perforated Metal - Material & Coating Information***

### **ANODISING ALUMINIUM**

Anodising aluminium provides the sheet with enhanced protection against corrosion, however the anodising process does not 'cover up' the parent material, hence any surface blemishes, scratches or inconsistencies in the supplied aluminum are still visible. This may also cause colour variation between panels. Where possible, Locker Group will ensure project materials are sourced from the same mill, and extra care is taken to prevent scratching. However even this extra care can not guarantee a blemish free product without colour variation.

Locker Group does not recommend anodising marine grade aluminium, as there is a higher chance for inconsistencies across the material.

### **STAINLESS STEEL**

The use of stainless steel does not guarantee a perfect blemish free appearance. Tea staining can still occur, especially projects located within 5km of the ocean. Locker Group recommends all stainless steel specified for external applications be electro-polished prior to installation. In addition, regular cleaning and maintenance will reduce the risk of tea staining.

### **ELECTRO-POLISHING**

Locker Group recommends electro-polishing whenever Stainless Steel material is specified for an external project.

### **FERROUS METALS**

Locker Group does not recommend that ferrous based products be installed in external applications, therefore there is no warranty offered against corrosion.

### **POWDER COATING**

Locker Group recommends powder coating colours are selected from the Duratec ® range for maximum protection. Please refer to the Dulux website for more information.

### **HOT DIPPED GALVANISING**

Zinc metal used in the galvanising process provides an impervious barrier between the steel substrate and corrosive elements in the atmosphere. It does not allow moisture and corrosive chlorides and sulphides to attack the steel. Zinc is more importantly anodic to steel – meaning it will corrode before the steel, until the zinc is entirely consumed.

Most steel perforated metal profiles can be galvanised; however smaller profiles will be subject to blinding – where the holes will fill with a thin layer of zinc. Locker Group recommends that mesh profiles manufactured from steel less than 1.0mm thick and or with an aperture size less than 12mm are not hot dipped galvanised but rather manufactured from Galvabond® material. Meshes manufactured from Galvabond® will not have the same level of protection as those that are hot dipped galvanised.

Due to the galvanising process some thinner gauge meshes may be subject to buckling. Hot dipped galvanised mesh profiles can be painted. Conditions apply. All hot dipped galvanising is carried out to AS/NZ 4680:2006

### **PERFORATING COLORBOND®**

Locker Group will make every attempt to minimize oil residue on the perforated colorbond, however the manufacturing process necessitates the use of an air dry lubricant, and there will be some oil residue left on the perforated coil. Locker Group will not be held responsible for any surface marking, such as scuffs or scratches which may be sustained during the normal manufacturing processes.