

## PRESSURE MOTTLING - IN COATED PRODUCTS

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### **DEFINITION**

As defined in the *Aluminum Association Standards and Data*, pressure mottling is a “non-uniform surface appearance resulting from uneven pressure distribution between adjacent layers of the product”. This condition can occur with the material in coil or sheet form.

Pressure mottling is generally more apparent on high gloss products, particularly on medium to dark colors. Pressure from adjacent wraps cause the coated surface at these pressure points to take on a frosted or scuffed appearance.

### **PRESSURE MOTTLING IS TEMPORARY**

This is NOT a permanent condition and dissipates when the surface is exposed to heat and/or weathering.

Generally, pressure mottling is a temporary condition that can dissipate. It is not necessarily cause for rejection of the coated product. Please understand that pressure mottling is a coating phenomenon and is not an application problem.

It is not an indication of a paint cure issue or an indicator of the paint’s physical properties. This condition can be found on many roll-coated coils, regardless of the supplier or applicator.

### **HOW TO DIAGNOSE PRESSURE MOTTLING**

Pressure mottling can be diagnosed by simply applying heat to the underside of a small area and the mottling should disappear.

Any external condition that elevates the surface temperature expedites the disappearance of the condition.

### **The following are effective in counteracting the effects of pressure mottling:**

- Sunlight
- Warm water
- Heaters