



269 Industrial Park Rd.
Monticello, GA 31064
{p} (706) 468-7500
{f} (706) 468-7510
{e} info@permatherm.net

REL-SHIELD®IV

Premium Plastisol Finishes for Metal Building Components

Durable colors for metal buildings give extra thick, extra tough protection when surfaces are exposed to severe weathering or corrosive atmospheres.

Standard colors are available, as shown on Page 2.

Final colors of coated metal may vary slightly from samples shown.

REL-SHIELD IV finishes help to prevent the aging of metal buildings. These Akzo Nobel coatings are available in highly stable custom and standard colors – formulations that resist chalking, fading, and discoloration even under the harshest of environmental conditions.

The custom colors are matched to the proprietary requirements of coil coaters and component fabricators or to the aesthetic tastes of architects and building owners. Standard colors are those of demonstrated sales appeal in the metal building market.

The colors shown on the next page are available in Smooth, Ripple and Striated Finish. Specify required finish when ordering.

Rel-Shield is a registered mark of Akzo Nobel

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Standard Colors Available:

Final colors on metal finishes may vary slightly.



The above colors are available in Standard, Premium and Specialty Coats. Specific required finish when painting.

REL-SHIELD®IV COIL COATINGS

Lasting Color Is Only One Of The Advantages

In addition to color retention, Akzo Nobel's REL-SHIELD IV finishes are formulated for coil application.

When applied as a two-coat system, the recommended primer and a REL-SHIELD topcoat over a properly treated substrate, they produce an extra thick and tough shield against weathering and corrosive atmospheres on HDG, Galvalume, Galfan, Aluminized Type II, or aluminum building components.

Performance Qualities

Film Thickness 4.0 mils minimum for the Plastisol Color Coat, per ASTM-1005-84.

Appearance Smooth, ripple, and striated textures are available.

Color Durability No more than 2 NBS* units color change after 2000 hours of accelerated weathering per ASTM 4587-86, Method B.

*For method of calculation see ASTM D-2244-89, spherical geometry.

Gloss 20 to 40% on a 60-degree meter is standard ASTM D523-89. Lower ranges upon request.

Adhesion to Substrate The following test methods are performed on Rel-Shield IV without failures*:

Impact ASTM D-2794-84

Bend ASTM D-4145-83

Cross-Hatch ASTM D-3359-87

*See Performance specification for details.

Abrasion Resistance Rel-Shield IV will withstand a minimum of 200 liters of falling sand per ASTM D968-81 (1986), Method A.

Humidity Resistance No blistering or loss of gloss after 3000 hours of 100% humidity per ASTM D2247-87.

Salt Fog Resistance No blistering or creepage after 1000 hours of salt spray per ASTM D B-117-85.

Chemical Resistance No effect on physical properties after 500 hours exposure to most chemicals as listed in ASTM-1308-87.