

Reynobond®



TECHNICAL BULLETIN

Color Consistency

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Hoover Architectural Solutions, LLC is aware that finish performance and color consistency are of utmost importance to its customers. Painted Reynobond® panels are coated in a coil-coating process with the most durable coatings available for the building and construction industry. Coil-coating offers excellent coverage, uniformity and durability in a coating. Yet, due to this process and to the composition of some of our finishes, variances in color can and do occur and are visible to the human eye. Moreover, industry tolerances for the coil-coating help ensure minimal variations within a specific color finish.

COLOR FAMILIES

HAS uses a color family process for all of its finishes for Reynobond® panels. HAS's Quality Control department reviews each painted coil by color and establishes which color family it matches, or creates a new color family for it if needed. This process improves HAS's ability to match new orders with previous orders as well as with orders containing multiple widths.

BATCH VARIANCES

General Rule

Notify HAS when ordering panels to match to a previous order.

Explanation

Although there are tolerances in place for the range of color variation within a specific color, these tolerances allow for variations that are noticeable to the human eye. HAS has implemented a color family inventory system (see below) to identify matching panels within a specific color. It is important that customers notify HAS when their order is to be used on the same building as a previous order.

Best Practice

Order all panels at the same time for each project.

DIRECTIONALITY

General Rule

Install panels with directional arrows pointing in the same direction.

Explanation

Paint is applied to Reynobond® panels by a reverse-roll coating process. As the coil of aluminum is unwound through the line, the roller applies the colored coating across its width. Due to the movement of the metal across the roller, coatings may display some directionality. Directionality is most noticeable in mica and metallic finishes. Mica and metallic flake paint systems have properties that reflect, refract and absorb light. The angle that light strikes the surface of the Reynobond® panel versus the visual angle strongly influences the viewer's perceived color. Paints containing both mica or metallic flakes can appear to change color and lose brightness depending on the light source's incident angle.

Best Practice

It is always necessary to install panels in the same direction on a building's surface.

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MULTIPLE WIDTHS

Explanation

Different width coils will likely be painted at different times, and may utilize different batches of paint. HAS classifies its color finishes by color family in an attempt to provide the closest visual match possible. HAS will do its best to ensure that colors of different widths come from the same color family, when both widths are to be used on the same building surface.

Best Practice

Order the same color in the same width for each project.

REYNOCCLAD® PROFILED + ALUMINUM SHEETS

While HAS works closely to get the best color match between its Reynoclad® profiles and aluminum sheets to its Reynobond® panels, there can be slight variances from batch to batch. Since Reynoclad® profiles and aluminum sheets are used in different applications and planes of projects, color variation will typically not present a visual issue.

MULTIPLE RELEASES

General Rule

Notify HAS if your project will have multiple releases of the same color finish.

Explanation

HAS will establish a color family for your project when necessary. Please note that this may present a challenge if the releases are far apart. When ordering for multiple releases, it is best to separate different orders on the actual installation site. This will help minimize the effect of any color variations that may occur.

Best Practice

Order all at once or order based on elevation/plane segregation.

POST PAINTING EXTRUSION ETC.

General Rule

Spray-finishing typically cannot recreate the directionality inherent to coil-applied finishes.

Explanation

HAS can provide paint manufacturer spray applied PVDF formulations that align with its standard finishes. However, post-painting panels with a spray system inevitably will have a different appearance than the original coil-applied finish. Moreover, differences in batches may intensify that variation between the original and the spray-applied finish. It is good practice to have the paint applicator base the finish off of a sample of a Reynobond® panel from the specific batch that one is matching.

Best Practice

Use a sample from the specific batch that one is attempting to match, when post-painting to match.

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Laws and building and safety codes governing the design and use of Hoover Architectural Solutions, LLC's products, and specifically aluminum composite materials, vary widely. It is the responsibility of the owner, the architect, the general contractor, the installer and the fabricator/transformer, consistent with their roles, to determine the appropriate materials for a project in strict conformity to all applicable national, regional and local building codes and regulations. REYNOBOND® FR AND REYNODUAL® HAVE SUCCESSFULLY PASSED US NFPA 285, E84 AND CANADA S134, S102 TESTS AS A PART OF AN ASSEMBLY. ENSURE THE PRODUCT IS USED IN A SYSTEM THAT COMPLIES WITH ALL APPLICABLE REGULATIONS. REYNOBOND® PE IS COMBUSTIBLE; IT COULD CATCH FIRE AND BURN. ANY LABORATORY TESTING INFORMATION PROVIDED BY HOOVER ARCHITECTURAL SOLUTIONS, LLC APPLIES ONLY TO THE PARTICULAR PRODUCT OR ASSEMBLY TESTED AND DOES NOT NECESSARILY REPRESENT HOW PRODUCTS WILL ACTUALLY PERFORM IN USE. REPORTS AND TEST DATA CORRESPONDING TO A PARTICULAR TESTED PRODUCT SAMPLE OR ASSEMBLY ARE NOT A GUARANTEE THAT THE SAME PRODUCT OR ASSEMBLY WOULD ALWAYS ACHIEVE THE SAME TEST RESULT.

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