Reynobond®
Reynoplate®

Hoover™
Architectural Solutions

TECHNICAL BULLETIN

Cleaning Recommendations

Reynobond®
Reynoplate®

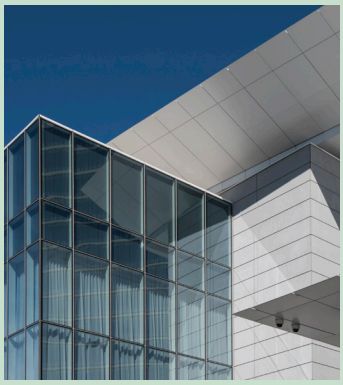


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Hoover Architectural Solutions, LLC (HAS) pre-painted Reynobond® and Reynoplate® panels come with similar organic coatings designed for premium aesthetic appearance and minimum maintenance. We do recommend cleaning the painted surface to maintain the best appearance.





The amount and frequency of dirt accumulation on the Reynobond® and Reynoplate® panels depends, among other factors, upon the building's geographic location, the panel location on the structure, local soil type, weather, pollution and air conditions.

Do not use steel wool, abrasives or anything likely to abrade the painted surface for cleaning. Some cleaning chemicals can damage the surface. If unsure, test the application method and cleaning agents in an inconspicuous area or on a sample. Start with the mildest cleaning methods first and, only if necessary, proceed to more stringent methods.

If dirt and stains are water soluble, such as soil, soot or particles, then a water rinse is the alternative least likely to degrade the painted surface. Do not, however, use a mechanical pressure washer. For areas of heavier or more tenacious dirt deposit, especially those near the grade level, a mild solution of detergent (5% active surfactant) diluted with warm water is the best cleaning alternative. As with automobiles, streaking will be minimized if the Reynobond® and Reynoplate® panels are cleaned on a mild, overcast day or in the shade.

More frequent cleaning with water or mild detergents is preferable to using harsher or concentrated cleaning solutions, or abrasive methods at less frequent intervals. Mild detergents are those which do not irritate bare hands. It is preferred that Reynobond® and Reynoplate® panels be cleaned from bottom to top (opposite that of glass) so that streaking and standing solutions be minimized.

In cases where Reynobond® and Reynoplate® panels are soiled with non-water soluble dirt such as tar, oil, paint, graffiti or sealant material, solvents may be the only effective cleaning alternative. Common solvent categories are:

ALCOHOLS

- Denatured alcohol or ethanol
- Isopropyl or rubbing alcohol
- Methanol

PETROLEUM SOLVENTS

- Naphtha spirits
- Mineral spirits
- Turpentine

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AROMATIC SOLVENTS

- Xylene
- Toluene

KETONES, ESTERS

- MEK (methyl ethyl ketone)
- MIBK (methyl isobutyl ketone)
- Ethyl Acetate or Nail Polish Remover
- Lacquer Thinner

ACETONE AND PAINT REMOVERS

- DO NOT USE ON PAINTED Reynobond® or Reynoplate® panels.

In all cases of cleaner use outlined to the left, personal safety and protection is the top priority. Use appropriate skin and eye protection to prevent chemical irritation or burns. Test any cleaner in an inconspicuous area prior to general application. Be aware that mixing certain chemicals may produce exothermic reactions (explosions) or toxic gas (chlorine bleach and ammonia can produce an extremely dangerous gas). Use mild or non-abrasive applicators.

Hydrochloric acid (10^% muriatic acid) diluted with ten parts water may be useful in removing rust stains, or dried mortar or concrete. However, contact of acids or alkalis with bare aluminum can quickly destroy the metal.

Mildew removal can be accomplished with:

- 1/3 cup detergent
- 2/3 cup trisodium phosphate (TSP)
- 1 quart sodium hypochlorite, 5% solution (liquid bleach)

Apply and rinse immediately with clear water.

Be cautious of pooling of cleaners on any horizontal joint or surface. Remember that hot panels will speed up any chemical reaction and may cause damage to the paint more quickly. Do not apply cleaners to an area that you cannot rinse prior to the chemical drying. Be aware of your surroundings and always think of safety first: your safety and that of persons using the building.

Hoover Architectural Solutions, LLC
50 Industrial Boulevard
Eastman, Georgia 31023-4129

1.800.841.7774
HOOVERAS.COM

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. REYNOPLATE® AND REYNOCLAD® HAS SUCCESSFULLY PASSED ASTM E84 AND ASTM E136 TESTS. 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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