

chromacore®

Technical Bulletin



Product Description

Composition

The Chromacore laminate is made of melamine resin and multiple layers of special decorative papers that give it design and high wear resistance. This set is subjected to a specific pressure of 90kg/cm² and a temperature of 135°C (275°F). Once the Chromacore laminate is pressed it is cut in nominal dimensions and sanded on its back to provide greater adhesion when applied with adhesive on the wood substrate.

Recommended Uses

The Chromacore laminate is a high pressure laminate specially designed for applications in institutional and commercial projects, where a high pressure decorative surface is required by use or design, where the surface color is equal to its edge giving an effect of harmony, uniformity, homogeneity and continuity of the elements coated with the Chromacore. Its solid appearance and high wear resistance give it exceptional design, durability and beauty properties. Especially recommended for furniture in beauty and aesthetic rooms, drug stores, boutiques, among others.

Basic Limitations

Chromacore is a laminate recommended for indoor use, it is not structural material, it does not admit extreme humidity or temperature above 135°C (275°F), it should not be exposed to direct and direct sunlight. It is marketed in a matt and glossy finish (other finishes under plant approval) for standard vertical or horizontal applications (not post-formable). Chromacore, due to its multilayer composition, tends to slightly change the tone with respect to line laminates, therefore, we recommend requesting the approved line for this type of application and its corresponding sample, in order to make the best selection. For applications with Chromacore we recommend the use of RH (moisture resistant) substrates. For additional guidance on quality, designs, availability, sizes, costs, etc., please consult our collection at www.surfacematerials.com and/or consult one of our commercial representatives.

Useful Information

1. Chromacore Laminate should be conditioned and stored in a dry and ventilated place, never in the open, It should be stowed horizontally and stored as much as possible at room temperature below 30°C and relative humidity less than 60%. To avoid deterioration of the top sheet in the stowage, it is recommended to turn it, so that the back is sanded up. Due to its rigidity and thickness, it is not possible to pack rolled up in a box, it should only be packed flatly in pallets or crates.

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2. In the selection of the adhesive to be used there are several alternatives, the most common is solvent-neoprene based contact cement, which is recommended for manual applications where the pressure exerted is low. When it comes to industrial applications, we recommend PVA (polyvinyl acetate) adhesives, which are not reactivable with heat and have high resistance to moisture. For a good adhesion of the Chromacore laminate, we recommend using between 80 and 140gr/m² of PVA adhesive and exerting a pressure of 2 to 3kg/cm². At the end of the application, if adhesive residue remains on the laminate, clean the surface with a soft cloth dampened with organic solvent varsol or with a 50:50 mixture of alcohol-organic solvent. It should be rinsed with warm water by completely removing the solvent.
3. To prevent the veneered surface with Chromacore laminate from buckling or deforming, we suggest applying the backer or balance laminate on the back of the veneer, in order to obtain the optimum balance in the moisture absorbed by the wood layer. It is recommended that the Chromacore laminate and its backer be the same thickness.
4. The cutting of the Chromacore laminate due to its monolithic composition tends to be friable and if the cutting and drilling operations are not carried out properly, according to the following technical recommendations, it may be possible to present a splinter on the surface. For cutting it is recommended to use a negative angle disc between 3 and 6 degrees. Speed: Between 8 and 10 m / min Revolutions per minute: Between 3.500 and 4.500 rpm. To drill the laminate use 10000r.p.m drills, with tungsten carbide drill bit with biangular tip. The selected drill bit should be 0.002inches (0.05mm) larger than the specified diameter of the hole to be made.
5. Chromacore laminate is sold only in textured and glossy finish. On horizontal surfaces of high use such as countertops, work surfaces, etc. We recommend using a protective element such as wood or ceramics when doing cutting work or placing very hot objects (temperature above 135°C), such as pans with hot oil and irons, among others, to avoid surface deterioration.
6. Chromacore is recommended exclusively for standard or straight (non-postformable) applications.
7. Chromacore laminate provides a long-lasting surface because it is a homogeneous surface of a single color and easy to maintain. Stain resistance is high, however, we do NOT recommend its use on chemical, clinical or hospital laboratory work surfaces, where they use oxidizing chemical agents, dyes, alkalis and strong acids in their routine work.

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Maintaining & Cleaning Instructions

Daily Maintaining

As many other interiors design materials the Chromacore laminate should be cleaned regularly.

Clean out only by using a wet soft cloth, with mild temperature water and, if necessary, use soft detergent. Almost all common non-abrasive household cleaning and disinfection products can be used.

For common blemishes, simply clean the surface with mild temperature water by using a non-abrasive cloth, harder stains can be eliminated aided with non-abrasives domestic solvents and cleaners.

When old stains, dry and accumulate, use a magic sponge or soft cloth to take them out. After using any solvent it is mandatory to rinse the surface with warm water and a mild detergent and repeat the rinse with water.

Useful Cleaning Tips

To obtain the best results when clean the Chromacore laminate, it is very important to remind the following tips:

A Chromacore laminate should NEVER be cleaned with products containing abrasives, metal sponges, sanding paper or steel wool.

Avoid strong acid or alkaline substances because the surface can be irreversibly stained.

Chlorinated substances can degrade and discolor the surface. Sodium hypochlorite must be used at concentrations under 5% allowing continuous contact not more than 5 minutes and, after cleaning, surfaces must be rinsed by using enough mild temperature water and soft clothes.

Hydrogen peroxide must be used at concentrations under 3% allowing continuous contact not more than 10 minutes and, after cleaning, surfaces must be rinsed by using enough mild temperature water and soft clothes.

When solvents are used, cloth should be very clean to avoid residual marks on the Chromacore laminate. It is recommended to wash out and rinse with mild temperature water.

Do not use furniture restoration products or oil-based cleaning products because they tend to leave residual grease on the surface that traps dirty particles. Do not use metallic scrapers, metallic brushes or any other metallic tool to remove residuals from the Chromacore laminate, like gypsum or dry paint because surface can irreversibly damage.

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Cleaning Tips

At the beginning, use a dry cloth or paper towel, then use water between 35-40°C (95-105°F) with domestic soft soap or detergent, allowing to act until dirt starts to soften.

If dirty and blemishes remain, use a solvent like white spirit and, then use water between 35-40°C (95-105°F) with domestic soft soap or detergent, permitting to act until dirt starts to soften. If dirty and blemishes remain, clean the surface with a soft cloth or use a 50:50 mixture of alcohol and organic solvent, so as not to affect its original tone and design.

The resistance to staining is high however we DO NOT recommend its use on lab type work surfaces where they use oxidizing chemicals, alkalis and strong acids in their daily work.

Instructions For Removing Difficult Stains

Acetone or nail remover, alcohol, gasoline, turpentine, White spirit, trichloroethylene, perchloroethylene and trichloroethane are suitable to remove neoprene residues.

3M Graffiti Remover, paint diluent or Hauser Vandal are some commercial substances that can be used. Remember to always rinse by using enough water.

Note: Product Brand names are only suggestions and its effectivity is not guaranteed.

It is the responsibility of the distributor / installer to verify the updated technical documents updated on the respective website. Visit us at www.surfacematerials.com for more information.

VERSION DEC2108 This document supersedes all printed and electronic technical and installation guides previously distributed by LAMITECH.