

FIRE-RETARDANT SERIES

INTRODUCTION

Description:

Fire is one word, which brings many images to your mind in a fraction of second. And so it should. What a fire should not do is ruin your dream place, your favorite workstation or prove to be a risk to your loved ones. Associate's Fire-retardant Laminates series is made exclusively to resist fire and give you a more secure and safe life.

This laminate is decorative as well as protective so you can dramatize your interiors, without compromising on safety. Associates Fire Retardant Laminates are safe, harmless, and sturdy; and come in exquisite designs and colors.



Composition:

It is made using special kraft paper in several layers, bound by a special fire-retardant chemical resin that is almost impervious to flame. This resin bond is halogen free, so in case of flame exposure, it does not release any toxins or fumes.

HIGHLIGHTS:



USPs:

1. Class-I Fire Rating: Fire Retardant Laminates are tested and approved by Warrington fire laboratory, UK, as per BS-476 standard and are also tested as per ASTM E-84 Standard
2. The product passes Class-I Fire Rating (Provided fire retardant adhesive and substrates are used)
3. Class-I Fire Retardant Laminates do not allow fire to spread further, once the source is removed and extinguishes itself within a stipulated time
4. Significantly reduces the risk of toxic smoke

Application:

1. Horizontal
2. Vertical

Can be used for:

1. Kitchens and fire prone areas e.g. - Cabinets, Interior doors, wall panels
2. Furniture in public places like airports, hotels, office buildings, shopping malls, multiplexes, and institutions such as hospitals and schools
3. Ship building industry

TECH SPECIFICATIONS AND AVAILABILITY

Size	Thickness				Textures			
	0.6MM	0.8MM	1.0 MM	1.2 MM	ST 01 (Suede)	ST 02 (Matt)	ST 03 (Silk)	ST 06 (Mirror Shine)
8x4			✓	✓	✓	✓	✓	✓



CARE & MAINTENANCE

Storage & Transport: Fire Retardant laminates must be stored horizontally with the top sheet turned face down. A thick hard board must be placed on top to protect the surface from any possible damage and reduce the chances of the sheet getting warped. Stored laminate stock must be rotated such that older sheets will be used first. Laminate sheets must be protected from moisture and must never be stored where they may come in contact with the floor or outside wall. Always carry the sheets vertically. Never slide the sheet but lift it while moving it from one place to another. We recommend that ideally two people should carry a full size sheet as carelessness can damage the decorative surface.

Resistance to stains: Fire Retardant Laminates are resistant to stains belonging to Group 1 and 2 but may take stains of reagents of Group 3 and 4. Group 3 and 4 reagents should not be allowed to spill on the surface, and in case of spillage, it should be immediately wiped off.

Classifications of the reagents:

Group 1: Acetone, trichloromethane, toothpaste, hand cream, urea, alcoholic beverage, natural fruit, fruit drink, meat, vegetable oil, water, NaCl (solution), mustard, soap solution, paint remover (kerosene), phenol and citric acid.

Group 2: Coffee, black tea, milk (condensed and evaporated), cola beverages, vinegar, hydrogen peroxide (3% solution), ammonia (10% solution of commercial concentrate), nail polish remover, lipsticks, watercolors, laundry marking ink, ball point ink.

Group 3: Sodium hydroxide (25% solution), hydrogen peroxide (30% solution), concentrated vinegar (30% acetic acid), acid based metal cleaners, shoe polish, hair coloring, iodine, boric acid, lacquers.

Group 4: Citric acid (10% solution), acetic acid (5% solution).



Cleaning:

To clean the laminates surface, use a mild soap or detergent and a damp cloth or sponge. Coffee or tea stains can be removed using a mild household cleaner/detergent and a soft bristle brush. Apply a paste of baking soda and water with a soft bristled brush on persistent stains. Light scrubbing, 10 to 20 strokes should remove most stains. Baking soda is a low abrasive, so be careful as excessive scrubbing or exerting too much force may damage the decorative surface, especially if it has a gloss finish.

Stubborn stains belonging to Group 3 and 4, which resist any of the above cleaning methods, may require the use of undiluted household bleach or nail polish remover. Apply the bleach or nail polish remover to the stain and wipe it off in max two minutes. Rinse thoroughly with warm water and wipe dry. This step may be repeated if the stain appears to be going away and the color of the laminate has not been affected.



Warning: Prolonged exposure of the laminate surface to bleach will cause discoloration. Acid based cleaners will permanently damage the laminates. Never allow these cleaners, or bottles, rags or other items contaminated with these cleaners, to come in contact with the laminates. Wipe such areas immediately and rinse thoroughly with water.



Maintenance:

Abrasives: Abrasive pads, scouring powders or cleansers may permanently damage the laminate surface making it susceptible to staining. So avoid the same.

Harsh chemicals: Harsh chemicals such as oven cleaner, toilet cleaner, or drain cleaner will etch and discolor the decorative surface. High Pressure Decorative Laminates are not designed to resist continual contact with these chemicals. If any of these products spill over the surface remove immediately, rinse thoroughly, and wipe dry.

Hot objects: Even though laminates have high heat resistance, exposure to temperatures greater than 135°C is not recommended. So, do not place hot frying pans or dishes directly from the oven or cook top on the laminate surface. As a precaution, protect the surface from heat generating appliances such as pressing irons, toasters, curling irons and electric cookers by using a trivet or insulated pad. Prolonged exposure to temperatures above 65°C may result in separation of the laminate from the substrate.

Sharp objects: Never use knives or other sharp objects directly on the decorative surface. Use chopping block or counter saver.

Impact: Even though Laminates have excellent impact resistance, chipping or cracking may occur due to a forceful impact. Do not abuse the Laminate by dropping heavy objects such as cans, dinnerware, or glasses or deliberately hammering directly on the surface.