

RoscoFlamex P50 - Fire retardant paint additive.

Roscoflamex P50 is the latest flame retardant solution for the entertainment industry. A clear un-pigmented liquid, add Roscoflamex P50 to waterbased Roscopaint to render the paint film fire retardant. Conveniently pre-measured, one 12 fluid ounce jar of Roscoflamex P50 effectively treats one gallon of Roscopaint. Roscoflamex P50 is useful for treating scenic materials that cannot easily be treated by other methods and for supplying the additional protection of a fire retardant paint coating to scenic elements.



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USES AND EFFECTIVENESS:

Roscoflamex is not intended to be used in place of other Roscoflamex products. Where possible, always treat the substrate material using the appropriate Roscoflamex product. However, when this is not possible, Roscoflamex P50 is used to create a fire retardant coating. This coating does not alter the flammability of the material being painted but rather creates a barrier that slows the spread of fire along the substrate.

When painting muslin and canvas backdrops, use Roscoflamex P50 to render the scenic paint fire retardant. But Roscoflamex should still be used to treat the fabric itself. When painting murals on plasterboard walls, Roscoflamex P50 provides a fire retardant paint coating that will meet most local and federal fire codes. Mix Roscoflamex P50 with Rosco Clear Acrylic Glaze when a fire retardant sealer is required.

Roscoflamex products work by releasing non-combustible gases which starve a fire of oxygen. However, a fire retardant paint film is not an effective fire barrier on highly combustible materials such as foams and plastics. For polystyrene foams Rosco Foamcoat is an excellent protective, fire-retardant coating.

Always select the correct flame retardant for your project. When treating textiles or papers, use Roscoflamex C26 or S33. For raw wood and cellulosic products use Roscoflamex W40. Coat polystyrene foam with Rosco Foamcoat.

How to apply Roscoflamex P50

Roscoflamex P50, when mixed with Roscopaint in accordance with the directions on the next page, creates an effective fire retardant barrier, designed to slow the spread of flame along the substrate being painted. This is a distinction from other Roscoflamex products whose effectiveness lies in treating the substrate. Whereas those products make the material treated self-extinguishing, P50 is used to create a barrier layer between the source of fire and the base material, regardless of whether this material is fire retardant or not.

DILUTION AND MIXING:

Add one 12 oz. jar of Roscoflamex P50 directly to one gallon of Roscopaint. Always test a small mixture before adding P50 to a full gallon of paint. If any clumping occurs, add 4 oz. of water to the Roscoflamex P50 and then add this mixture to the Roscopaint.

When using Rosco Supersaturated paint add one 12 oz. jar to two quarts of undiluted Supersaturated and then

dilute this mixture at least 1:1 with water. Twelve ounces of Roscoflamex P50 may not entirely fit into one full gallon of Roscopaint. It may be necessary to mix in a larger bucket. Mix thoroughly before using.

Paint may be diluted with water after being treated with Roscoflamex P50, but the dry paint film must be no less than 4 mil in thickness. The effectiveness of a fire retardant barrier is dependent on both the fire retardant additive and the thickness of the coating.

Apply treated paint by brush, roller or sprayer. Regardless of the method of application, it is vital that a complete paint film is formed and that the dry film thickness of the finished coating is not less than 4 mil. Paint films that are incomplete, or are too thin, will not provide a barrier against the spread of fire.

STORAGE:

Store Roscoflamex P50 only in non-metallic containers. When metal sprayers are used, they should be thoroughly cleaned immediately after use, including nozzles and accessories. Avoid use of metal buckets or paint containers when possible.

COVERAGE:

Coverage will vary with coverage of the paint being used. Approximately 300 sq. ft. per gallon of paint.

WARNING: Use only with adequate ventilation. Do not take internally. Do not store in extreme heat or allow to come in contact with strong acids. Do not transfer contents to another container. Do not store in metal containers. Wash hands after use. KEEP OUT OF REACH OF CHILDREN.

P50 Quick Tips

1. These days, many companies rent scenery to reduce their production costs. When rented scenery arrives, often the fire retardance of a set piece is unknown. By using P50 in Rosco Clear Acrylic Glaze, you can provide a fire retardant barrier without altering the appearance of the finished paint treatment.
2. For years, backpainting hard scenery has been an accepted means of treating flats and platforms for fire retardance. By adding P50 to the backpaint, you provide an additional level of protection that is accepted by most local and state Fire Marshals.
3. Do not add to metallic paints as tarnishing will occur.

When applied at 200 sq. ft. per gallon of undiluted Roscopaint, Roscoflamex P50 provides a CLASS B flame spread rating on 5/8" gypsum wallboard. Tested in accordance with ASTM E84, at ETL Testing Laboratories, Cortland, NY.

Specifications	
#07950 0012	12 oz. Jar Roscoflamex P50
#07950 1212	Case of 12



Roscoflamex P50 is registered with the California State Fire Marshall.

Disclaimer

Read carefully the instructions supplied with any Roscoflamex product. Rosco offers these products in good faith, but without guarantee of any type, since materials treated and methods of application are beyond the control of the manufacturer. You should determine suitability of the Roscoflamex product for the intended use and always test before using.