

## RoscoFlamex S33 - Treating synthetics & cotton / synthetic blends.



- Roscoflamex S33 effectively flameproofs many synthetic fabrics, such as polyesters, nylons, acrylics and rayons, as well as many cotton/synthetic blends.
  - This ready-to-use liquid is easily applied by immersion, spraying or brushing. Fabrics retain a good soft hand without undue stiffness.
  - [S33 Quick Tips](#)
  - [Selecting the proper Roscoflamex for your project](#)
  - [General information on Roscoflamex products](#)
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### How to apply Roscoflamex S33

Virtually infinite varieties of synthetic fabrics are available and in wide use in the entertainment industry today. Roscoflamex S33 is an effective treatment for many of these fabrics, but not all. The best method of application on a specific fabric will be determined by a combination of factors including the type of fiber, the weave of the material and the delicacy of the finished fabric. While immersion may be the most efficient way of treating a particularly resistant fiber, such treatment may alter the hand of the material so much as to make it unusable. Always prepare a range of samples to determine the best method for each fabric being used.

#### **DILUTION:**

Roscoflamex S33 may be used straight out of the bottle. Dilute with water if necessary. This allows the product to be effective on the widest range of materials. Because of the strength of this solution, certain fabrics will develop a white powdery residue after the Roscoflamex S33 has dried. If this occurs on your test sample, dilute the Roscoflamex S33 10% with water and retest. Continue this process until your sample dries with no residue.

#### **APPLICATION:**

Regardless of the method of application, it is necessary to insure that an adequate amount of Roscoflamex S33 is absorbed into the material. This can only be determined by comparing dry weights of untreated and treated material, with the treated material reflecting an increase of 15-20% above the untreated material's weight.

- *Dipping:* This is the most efficient method of impregnation. Immerse completely for ten minutes, and hang to dry. Dripped Roscoflamex S33 can be re-used if stored in a tightly covered, nonmetallic container. Do not immerse a finished, painted drop.
- *Brushing:* Using a wide layin brush, brush a properly diluted Roscoflamex S33 solution into the fibers of the material being treated. Brush the solution in using a criss-crossing pattern to insure adequate absorption.
- *Spraying:* In spraying for flame retardance, it is especially important that an adequate quantity of Roscoflamex S33 be absorbed. In calculating the amount of Roscoflamex S33 needed, remember a substantial portion of the spray will not fall on the fabric.

#### **STORAGE:**

Store Roscoflamex S33 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:**

On average, 300 sq. ft. per gallon of undiluted S33. Coverage is determined by the ease of absorption into the fiber of the fabric.

**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. Close container after each use. Do not transfer contents to another container. Do not store in metal containers as Roscoflamex may corrode. Wash hands after use. KEEP OUT OF REACH OF CHILDREN.**

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## S33 Quick Tips

1. Certain fabrics are extremely difficult to treat without altering the hand or color of the material. China silk can often be effectively treated with S33 diluted with water 1:2, applied with a sprayer.
2. S33 works by penetrating into the fiber or weave of a synthetic material. Materials like plastic or foams, while synthetic, have no weave to speak of and therefore S-33 cannot treat these types of materials. In this instance it is necessary to apply a flame retardant coating like Foamcoat.
3. Never use Roscoflamex S33 over metallic paint or oxidation will occur.

Contact Rosco for more information or technical support on treating your scenery for flame retardance.

Specifications

#07933 Roscoflamex S33

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Roscoflamex S33 is approved by the California State Fire Marshall and meets standards for flame retardance according to NFPA 701.

### 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.*