

TPR² INTUMESCING FIRE RETARDANT ADDITIVE FR - 24 A

TPR² Non Halogenated, intumescent fire retardant additive is a proprietary formulation that provides unsurpassed performance when appropriately mixed with Aliphatic Urethanes (as in Imron™, A proprietary Dupont™ product). Significant fire and smoke reduction is achieved when correctly mixed into Urethane resin.



PREPARATION / STORAGE

Mix the additive well before using. It is best to mix in a paint style shaker. Mix for 5 minutes, minimum. If unavailable, stir well before use for 10 minutes. Keep container closed in a dry environment when not being used. Keep from freezing. Gloves and dust masks should be worn during mixing.



PRODUCT MIXING

FOR 2K URETHANE (4:1 ratio):

- Mix powder well before adding to paint
- **Slowly** add (using a shear disc and drill press) up to 2.2lb per gallon of Urethane. The powder should be added only to the Part A(resin).
- Mix well for 5 minutes after desired powder is in. You can raise and lower the disc while on the drill press when mixing to get full mixing.
- Let the mixture settle for 10 minutes if there is air in the mixture.
- Stir out any air in mixture.
- Add hardener at the recommended rate to the mixture and stir well.

FOR 2K URETHANE (2:1 ratio):

- Mix powder well before adding to paint
- **Slowly** add (using a shear disc and drill press) up to 2.2lb per gallon of Urethane. The powder should be added only to the A(resin).
- Mix well for 5 minutes after desired powder is in. You can raise and lower the disc while on the drill press when mixing to get full mixing.
- Let the mixture settle for 10 minutes if there is air in the mixture.
- Stir out any air in mixture.
- Add hardener at the recommended rate to the mixture and stir well.

NOTE:

Some gloss reduction will be noted if the additive is mixed thoroughly and correctly. Aliphatic Urethane should be strained

APPLICATION: Mixed Fire retardant urethane should be strained when pouring into spray equipment and should be applied per manufacturer recommendations.



CLEAN UP

Clean Up – Clean up any minor spills with a damp cloth or mop with mild detergent or cleaning solution. Larger spills can be vacuumed up. Use dust mask during major clean ups.

KEEP OUT OF REACH OF CHILDREN!

CAUTIONS: Avoid prolonged contact with skin, and breathing of dust. Overexposure may cause kidney damage. Can cause slight eye irritation. **USE ONLY WITH ADEQUATE VENTILATION!** Ensure fresh air entry during mixing. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor / mist levels are above applicable limits, wear an appropriate, properly fitted respirator, (NIOSH approved), during and after preparation. Follow respirator manufacturer's direction for respirator use. Avoid contact with eye. Use chemical safety glasses, goggles, or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. **KEEP FROM FREEZING!** Close container after each use. **DO NOT TAKE INTERNALLY!**

FIRST AID: In case of skin contact, wash thoroughly with plenty of warm soapy water. In case of eye contact, immediately flush with plenty of water for 15 minutes, and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

The technical data and suggestions for uses contained herein are correct to the best of our knowledge, and offered in good faith. The statements do not constitute a warranty, whether expressed, or implied as to the product performance. TPR² can guarantee this product to conform to our standards of quality, and our liability, if any, shall be limited to replacement of defective materials. Any or all-technical information is subject to change without notice. All express or implied warranties of merchantability, fitness, and fitness for any particular purpose are disclaimed.

SEE THE MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.

THERMAL PRODUCT RESEARCH

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