

TYPICAL MIXED PROPERTIES:

Property	ASTM Test Method	Test Values ⁽¹⁾
Gel Time (100g. mass)	D-2471	360 mins.
Gel Time (16 lb. mass)	D-2471	60-70 mins.
Color, mixed	Visual	White
Viscosity, mixed	D-2393	9,900 cP

⁽¹⁾Tested @ 77°F (25°C)

TYPICAL CURED PROPERTIES:

Property	ASTM Test Method	Test Values ⁽¹⁾
Density (g/cc)	D-792	0.25-0.28
Ultimate Compressive Strength (psi)	D-695	450
Ultimate Flexural Strength (psi)	D-790	380
Modulus of Elasticity (psi)	--	25,000
Deflection Temperature (264 psi) (°F)	D-648	128
Coefficient of Thermal Expansion (in/in/°F) (in/in/°C)	D-696	3.21x10 ⁻⁵ 5.79x10 ⁻⁵
Shrinkage (in/in)	D-2566 Mold #3	0.003

⁽¹⁾Cure Schedule – 7 days @ 77°F (25°C), or overnight at R.T. plus 4 hrs. at 150°F.

NOTE: Typical Properties – These physical properties are reported as typical test values obtained by our test laboratory. If assistance is needed in establishing product specifications, please consult with our Quality Control Department.

MIXING INSTRUCTIONS:

- 1) Open RenCast 1774 quart can of **Resin**.
- 2) Add contents of ½-pint can of Ren 1774 **Hardener**.
- 3) Mix together thoroughly by hand, scraping sides and bottom of can (about 3 minutes).
- 4) Fill plastic measuring cup to 10ml mark with Ren 1774 **Additive** and add to resin and hardener mix.
- 5) Blend by hand stirring for about one (1) minute.
- 6) Cast mixture into place within four (4) minutes.

STORAGE/HANDLING INFORMATION:

RenCast 1774/Ren 1774/Ren 1774 Additive

Store at 60-100°F in a dry place. After use tightly reseal.

Work in a well ventilated area and use clean, dry tools for mixing and applying. For two component system, combine the resin and hardener according to mix ratio. Mix together thoroughly and use immediately after mixing. Material temperature should not be below 65°F (18°C) when mixing.

RenCast 1774

This product may crystallize upon storage. If crystallized, vent container and heat to 125-145°F until crystals dissolve. Stir well after product has liquefied.

SHELF LIFE: Provided materials are stored under the recommended storage conditions in their original containers, they will remain in useable condition for at least one year from date of shipping.

PACKAGING: This product is available in the following package size(s):

Small Prewieghed Units: 6 qts. Resin / 6 preweighed Hardener

Pail Units: Pail Resin/appropriate Hardener

Please call Customer Service (800-367-8793) for price and availability.

SAFETY/HANDLING PRECAUTIONS: Do not use or handle this product until the Material Safety Data Sheet has been read and understood.

RenCast 1774

WARNING! Causes skin and eye irritation. May cause allergic skin reaction. Avoid contact with eyes, skin, or clothing. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Ren 1774

DANGER! CORROSIVE – Causes eye burns and skin burns. May cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Ren 1774 Additive

CAUTION! COMBUSTIBLE. Keep away from heat and flame.

FIRST AID: In case of contact with:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If conscious, give plenty of water to drink. Do not induce vomiting. Call a physician.

Inhalation: Remove to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Other: Referral to physician is recommended if there is any question about the seriousness of any injury.

PRECAUTIONARY NOTE: Thermosetting systems generate heat when curing. The amount of heat and the period of time in which heat is released vary significantly between systems. Additionally, ambient or compound temperature, amount of material mixed, and construction and shape of the mold or container can also be factors in the temperature profile of a mixed system.

In some cases, the thermosetting reaction can be vigorous, generating heat sufficient to cause decomposition of the system with subsequent liberation of large volumes of acrid smoke.

A good rule of thumb is never mix more material than can be applied during the stated pot life or gel time. Also take care when using materials in applications other than stated on the Product Data Sheet, i.e., a laminating resin for casting.

Please feel welcome to call our Product Information Department or your local Ren representative for instructions before you start your job.

IMPORTANT: The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES AND CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential, or indirect damages for alleged negligence, breach of warranty, strict liability, tort, or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

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