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ANIMATRONIC SKIN TIN RTV

These are Tin Base (Condensation Cure), translucent, two-component, room temperature cure (RTV) rubbers. They exhibit good physical strength and elongation properties, *trouble-free cure*, along with good library shelf life, making them an ideal rubber for making puppet skins and highly flexible props and parts. Good substitute over using Platinum RTV skin materials where inhibition is always a concern.

Available Sizes: Pint Kit (1 lb) & Qrt Kit (2 lb) Gal Kit (9 lb) & 5 Gal Kit (44 lbs) 55 Gallon Drum (495 lbs)

Product Features:

- User friendly and trouble free cure—*Unlike Platinum RTVs*
- Excellent physical properties and high tear resistance with flesh skin softness
- Low viscosity for ease of pouring
- **Fast Cure** (3 Hour) Catalysts Pourable R-1310 FC B & Brush-On R-1300TH SP B

Applications

1. Highly Flexible, Colorable Rubber Parts
2. Skin Membrane—Animatronic & Puppet skins

Accessories

- **Colorants:** Silicone Pigments and Flocking Fibers
- **Paint:** D-3430 SP Silicone Dispersion Coating
- **Softener:** F-100 Fluid

	R-1320-50 A/B	R-1310 LM A/B	R-1310 A/B	R-1320 A/B
Color	Translucent	Translucent	Translucent	Translucent
Viscosity	7,000 cps	17,500 cps	18,000 cps	28,000 cps
Specific Gravity	1.07	1.08	1.08	1.09
Mix Ratio	100 A / 10 B	100 A / 10 B	100 A / 10 B	100 A / 10 B
Hardness A Shore	1	5	10	15
Tensile Strength (psi)	250	250	375	503
Elongation (%)	700	650	500	605
Tear Resistance (pli)	N/A	50	70	105

MIXING & CURING INSTRUCTIONS:

Process part A by adding the curing agent B. **Part B should be shaken prior to use.** The addition of 10% catalyst (by weight) has a pot life of 45 minutes – 1 hour. Since material is clear, a double mix—mixing in one container then transferring to another and re-mixing—is recommended to ensure a thorough mix. De-airing (degassing) material is always recommended. After the mold (or part) has been removed from the master, it should be left for 24 hours in order to develop its maximum mechanical strength.

Softening Agent

F-100 fluid can be used to adjust skin hardness or create a gel like silicone medium for movement. Add F-100 fluid to the Silicone RTV rubber mix. The addition of 10-15% fluid will lower the hardness by 5-10 points.

Brush-On

R-1300TH SP B is a clear, thixotropic, all-in-one, fast cure catalyst used for creating thin rubber skins. Use in place of the standard, overnight cure, pour catalyst @ 10%. **Gel—20 minutes Cure—3 hours**

Note: Durometer will slightly decrease and an increase in elongation will be noticed. Does not affect overall part or mold library shelf life.

Fast Cure

R-1310 FC B is a clear, all-in-one, fast cure catalyst used to reduce cure time of RTV for poured, solid parts. Use in place of the standard, overnight cure, pour catalyst @ 10%. **Gel—20 minutes Cure—3 hours**

Note: Durometer will slightly decrease and an increase in elongation will be noticed. Does not affect overall part or mold library

STORAGE/SHELF LIFE:

A and B components must be stored in their original, unopened containers at temperatures between 60-90F. Shelf life of materials when kept in unopened, sealed containers, at the recommended storage conditions, is 6 months.

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST ANY APPLICATION AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT.