

SILPAK RL-BALLOON

Latex Appliance

RL-BALLOON is a one-part, extremely low viscosity liquid latex that air cures to a strong, papery thin, rubber.

Features

- Extremely low viscosity
- High elasticity strength
- Captures infinite detail

Applications

Ideal material for making appliances/prosthetics in plaster molds made of Hydrocal White. Latex needs to semi dry between coats as multi-layer parts are being created. Latex will reproduce detail but has the highest shrink rate of all rubber materials.

Accessories

- **Pigments** – Red, blue, yellow, black, white
- **RL-Thinner** – Add to adjust latex thickness (better than adding distilled water!)
- **Hydrocal White** – Plaster for slush cast molds

Mixing and Curing

Slush casted latex such as a mask or a thin rubber product can be made from dry, unsealed *Hydrocal White* or *Ultracal 30* plaster molds. After mold is made, dry it in oven at 150°F for several hours (this will give plaster mold the best water absorption ability). Allow mold to cool, then fill mold cavity with latex and reseal the container to avoid evaporation of water/ammonia. Lightly vibrating mold may help eliminate bubbles if mold is highly intricate. Latex will thicken against mold surface as plaster absorbs water. For a thin skin, pour the excess latex immediately back into container. For a thick skin, allow latex filled mold to sit for 1-2 hours, depending on desired thickness, before pouring excess latex material back into container. Latex is then allowed to dry in mold for 24-36 hours at room temperature. Drying time is based on temperature and humidity. Dry, warm air is required for fast curing. A de-humidifier can be used for humid conditions. Accelerated cure can be achieved by oven drying at 100-150°F until rubber changes color (darkens). Remove rubber and repeat process. Heat curing will speed up process, producing parts in hours.

Using Latex

Avoid using petroleum-based products, solvents and copper containing metals with latex rubber. Clean latex with soap and water. Keep cured latex rubber out of direct sunlight.

Storage and Shelf Life

Store liquid material in cool, dry area out of direct sunlight, in tightly sealed containers, above 60°F. Use within 6 months. **Do not allow liquid material to freeze which will damage latex causing irreversible coagulation.**

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