

## Superior HARDENERS

### Superior HARDENERS Guidelines

White Paste Hardener (BPO) & Clear Liquid Hardener (MEKP)

Superior provides two distinct hardeners to ensure optimal performance across its adhesive systems.

Each is specifically formulated to match the chemical structure and curing requirements of the corresponding adhesive.

#### White Paste Hardener – BPO (Benzoyl Peroxide)

For Use With: Superior Polyesters, Vinyl Esters, Hybrids, and Acrylics.

- Always follow the mixing ratio stated on the specific adhesive product label.
- Before each use, thoroughly knead the BPO tube by hand to ensure internal consistency and even distribution of catalyst.
- Do NOT use hardener from other manufacturers, as other formulations may differ and are not guaranteed to perform correctly with Superior adhesives. Not all hardeners are created equal.
- Never add extra hardener to accelerate cure time. Over-catalyzation can lead to:
  - Brittle adhesive
  - Weakened bond strength
  - Color shift or yellowing, even at lower temperatures
- Mix adhesive and hardener in a disposable paper cup.
  - Do NOT use scrap cardboard (which can absorb resin)
  - Do NOT mix on stone surfaces, which may cause premature curing

#### Clear Liquid Hardener – MEKP (Methyl Ethyl Ketone Peroxide)

For Use With: WATER CLEAR Polyester Adhesives ONLY

Directions for Use:

- Do NOT use hardener from other manufacturers—formulations may differ and are not guaranteed to perform correctly with Superior adhesives.
- Never add extra hardener to accelerate cure time. Over-catalyzation can lead to:
  - Brittle adhesive
  - Weakened bond strength
  - Color shift or yellowing, even at lower temperatures
- Mix adhesive and hardener in a disposable paper cup.
- Do NOT use scrap cardboard (which can absorb resin)
- Do NOT mix on stone surfaces, which may cause premature curing

#### Storage Guidelines (Both BPO & MEKP):

- Store indoors in a climate-controlled room
- Do NOT store above 75°F (24°C)
- Avoid direct sunlight, humidity, and freeze/thaw exposure
- Keep away from heat sources, ignition points, and incompatible chemicals
- Shelf life is optimal when stored properly

Proper use of Superior HARDENERS ensures maximum bond integrity, aesthetic quality, and long-term durability. Always read your adhesive's label and technical data sheet before mixing.

