Superior Acrylic PENETRATING Adhesive

How to Use Superior Acrylic PENETRATING Adhesive
Superior Acrylic PENETRATING Adhesives are specially formulated for use on porous natural stone materials. Their fast gel and cure times make them an ideal solution for fabricators needing quick turnaround, strong bonds, and efficient polishing.

Pre-Application Checklist

- Always TEST on a sample of the actual stone to confirm bond strength, visual clarity, and shadowing before final application.
- Make sure all contact surfaces are thoroughly cleaned and completely dry to ensure full adhesion.

Mixing Instructions

1. Optional Tinting (Before Hardener):
    - To achieve a custom color match, mix Superior RESIN COLORING PASTE into the adhesive before adding the hardener.
2. Add Hardener:
    - Add 1% - 2% white BPO paste hardener by weight to the resin.
    - Use a digital scale for accurate measurement. Overuse may affect clarity and performance.
3. Mix Completely:
    - Blend the adhesive and hardener thoroughly until fully uniform in color and texture.
    - Incomplete mixing can result in curing issues or weak bonds.

Working Time & Application

- At 70°F (21°C), the mixture remains workable for approximately 15 - 30 minutes.
- Higher temperatures reduce working time.
- Lower temperatures extend it.
- Apply adhesive to both surfaces or as needed.
- Join and clamp the stone within the working window to avoid voids and ensure a complete bond.
- The adhesive will be fully cured in 3 - 6 hours, allowing fabrication or finishing to continue.

Usage Notes

- For Indoor Use Only – Superior POLYESTER is not UV stable and should not be used outdoors.
- To maintain the adhesive's pearlescent clarity, use only the specified amount of hardener and only the hardener provided by Superior.
- Always test light-colored porous materials (e.g., quartzite, white marble) for shadowing prior to use.

Storage Guidelines

- Store indoors at room temperature, ideally below 75°F (24°C).
- Do not expose to direct sunlight, freezing temperatures, or excessive heat.
- Fluctuating or extreme temperatures can degrade the resin and reduce shelf life.
- Shelf Life: 1 year when properly stored in a controlled environment