

## Technical Bulletin #1-A Surface Preparation Existing Resin Flooring and Coating Systems

### I. GENERAL INFORMATION

**Key Resin Company's** Flooring Systems and Coating Systems are designed to produce dense, long-term, seamless floor protection resistant to wear, chemical attack, and dirt penetration. In time, however, high traffic areas may become noticeable. It is possible to renew **Key Resin** Flooring Systems or other properly bonded\* resin flooring or coating systems to their original appearance by cleaning and resealing with the appropriate finish as dictated by the system in place (epoxy over epoxy, acrylic over acrylic, etc.). Prior to this application, the Floor System or Coating System must be prepared by stripping all waxes, sealers, and other contaminants. It is also important to specify which Flooring System was originally installed to maintain optimal performance of the System when resealing. Contact your **Key Representative** for further information. Specific considerations for **Key Resin Company's** Systems have been outlined below.

### II. CLEANING AND SURFACE PREPARATION GUIDELINES

1. Detergent and/or solvent wash to remove any surface contamination.
2. Perform adhesion testing and "sound" existing floor material to identify any poorly adhered areas.
3. Hand and power tool clean to remove any poorly adhered and/or deteriorated coating.
4. Repair all surface defects, cracks, and replace poorly adhered existing material with appropriate resurfacing material.
5. Mechanically abrade surface to impart a uniform surface profile and de-gloss the surface. Procedures may vary from using a floor buffer with 60-100 grit sandpaper/abrasive screens to heavy duty grinders with carborundum stones/diamond plugs or shotblasting equipment.
6. New coating application process must meet material application conditions: Ambient, surface, and cure temperatures, relative humidity, etc.
7. Surface shall be clean and dry before application of new coating.
8. Follow mixing, application and curing instructions of the new coating product.

**\*Note:** Be aware that any guarantee provided by the installation contractor for adhesion pertains to only the new material bonded to the old material. It does not pertain to the adhesion of the old material bonded to the concrete substrate. Be aware that the installation contractor has the ultimate responsibility and authority to approve the substrate (old coating or concrete).

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