



## CASE STUDY

### KEMIKO® SERIES SS1600 EPOXY

#### BACKGROUND

EPMAR CORPORATION, over 20-years ago, developed a two-component water borne epoxy product to replace existing solvent base epoxy systems and to perform as equal to those current use systems. For the flooring industry, thin film two-component water base epoxies offer ease of application, are durable and cost effective. EPMAR CORPORATION has supplied **KEMIKO® Series SS1600 Epoxy** to tens of millions of square foot flooring projects over the past 20-years.

#### SURFACE PREPARATION

Proper surface preparation is the key factor to any successful floor coating project. Surface preparation may vary depending on environmental regulations and the integrity of the concrete substrate. Typically, use of confined abrasive impact blasting is the preferred method of surface preparation when optimum adhesion and product wetting is required. Other methods include chemical acid etching, water jet blasting, and use of floor grinding and polishing equipment. In any event, profiling the concrete and removing all surface contaminants is of utmost importance.

#### PRODUCT APPLICATION

STA-CRETE SERIES SS1600 EPOXY can be applied to prepared concrete by brush, roller or spray applications. Brush application is used on small areas to cut in around corners, edges and base board. Roller application is the preferred application utilizing 7", 9" & 18" length ¼" – ½" nap roller covers. Roll coat application may follow spreading the epoxy with notched or flat squeegee, rolling north and south while the squeegee is spreading material east to west. **KEMIKO® Series SS1600 Epoxy** is usually applied in 2-coats @200-300 square feet per gallon per coat. Additional coats may be applied or the product may be top coated with UV resistant polyurethane or chemical resistant 100% solids epoxies. **KEMIKO® Series SS1600 Epoxy** is cured for service between 48-72 hours following final coat depending on environmental temperature and relative humidity.

## HISTORY

**KEMIKO® SS1600 Epoxy** has been applied to industrial projects such as mechanical rooms, manufacturing facilities, food preparation areas, garage floors, showroom floors, and as a protective clear coat over EPMAR'S KEMIKO® stain. Attached photo documentation is a recent project involving over 250,000 square feet of production flooring.



**“BLAS-TRAC” Surface Preparation**



**Gloss Increase 2-Coats (Far), 1-Coat (Near)**



**Roll Application - 18" Roller Covers**



**Finished Floor  
2-Roll Coat Applications**

**Service is part of our formula**

**Epmar Corporation**

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