



Description: Endurosil Cementitious Urethane System is a 3 component urethane mortar resin mixed with a highly specialized aggregate package that is installed at a specified thickness and troweled.

Uses: Endurosil Cementitious Urethane System is a seamless flooring option specially developed for use in the food and beverage industry. Industries Served Meat: beef, pork, veal, lamb Poultry and Eggs Dairy Floors Cheese, Yogurt & Ice Cream Bakery & Confectionery Beverage Bottlers: Juice & Soda Brewery, Spirits & Winery Seafood & Fish Nuts & Snack Foods Pasta Produce & Cannery Specialty Foods Gourmet Foods Organic Foods Blast Freezer Floors & Coolers Nitrogen Tunnels Pet Food Water Bottling Plants Ice Cream Plants Commercial Kitchens

Advantages: The floor is a high build system that is highly impact and abrasion resistant, contains ZERO VOC's and highly chemical resistant and can be installed in highly humid conditions.

Required Materials: Please Call Endurosil for a certified installer.

Required Tools: Please Call Endurosil for a certified Installer.

Substrate Preparation

Substrate Preparation: Clean all cracks and joints using a concrete saw. Prepare the concrete surface to a profile equal to about a 50 grit sandpaper. The recommended method of profiling the concrete is by grinding, shot blasting or scarifying the surface.

Moisture: All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission through on-grade concrete slabs may result in the failure of the epoxy floor (either the lifting of the dried film or the improper curing of the material). If moisture emission exceeds 4 pounds per 1000 square feet contact Endurosil prior to application. Product Application Joint and Crack Fill & Covebase: Utilize EP-300 Epoxy Patch Paste to fill all joints and cracks prior to the application of the flooring system. Mix 2 parts of A to 1 part of B. Ensure that the paste is sufficiently mixed prior to use. Install the mixed paste in the joints or cracks using a putty knife or trowel. The installer may also use alcohol to help smooth the material. The EP-300 Epoxy Patch Paste may also be used to install a covebase.

Application

Primer: This particular mortar mix is a self priming material and therefor no primer is necessary.

Mortar Mix: Set your gauge rake or mortar screed to the desired thickness. Mix your kit of Endurosil Cementitious Urethane System pre measured resin. Mix in a mortar mixer or cement mixer the pre-packaged aggregate and mixed 2 component resin. Pour the mix directly



onto the floor and extend using a gauge rake. Allow product to begin to set, then smooth and compact material using a rounded swimming pool trowel. Broadcast quartz crystals to refusal. You can use alcohol to lubricate and clean your trowel.

Seal Coat: Grind floor and repair imperfections in the surface. Mix 2 parts of A and 1 part of B of EP-1000 100% solids epoxy (transparent) and apply at a rate of 150 to 200 square feet per gallon using a flat or v knotted squeegee and back rolling to smooth the epoxy (for a textured finish). If you would like a smooth surface apply seal coat at a coverage rate of 25 to 100 square feet per gallon.

Top Coat: Install EP-1000 using $\frac{1}{4}$ nap roller at a coverage rate of 250 to 300 square feet per gallon.