



Installation Guide

PATCH

Patch uneven surfaces, cracks, and expansion joints with UDT Epoxy Patch Kit. See instructions.

PRIMER

While a primer coat is optional on broadcast systems, UDT recommends a thin primer coat of pigmented Fast Cure Epoxy to minimize bubbles caused by concrete outgassing and ensure optimal adhesion to the concrete surface. Choose a color that matches one of the colors found in the chips. Apply UDT Fast Cure Epoxy in a temperature-controlled environment (40-80°F). Mix according to mixing instructions and reduce with 10% xylene for the primer coat. Immediately pour all mixed contents onto the floor and spread with a flat trowel, flat or 5 mil squeegee within 15 minutes, at a coverage of 250-350 Sq. Ft. per gallon. Back-rolling with a 1/4"-3/8" nap roller is optional if using a flat squeegee, but may pull epoxy out of small holes and pits yielding a rougher surface. Always back-roll if using a notched squeegee. UDT Fast Cure Epoxy dries in 4 hours. Never exceed the stated recoat window of each product.

BODY COAT

Between 4 and 8 hours after the primer coat was applied, proceed to apply the body-coat. For quartz systems, UDT recommends using the clear UDT MC Epoxy. However, the pigmented UDT Fast Cure Epoxy is acceptable as a body coat as well. Wear "spiked" shoes while walking on wet material. Mix only the amount of material that can be applied in 15 minutes or less. Immediately pour product out in a strip on the floor. Spread material with a 10-mil notched squeegee to a coverage of 100-160 Sq. Ft. per gallon (10-16 mils). Back-roll with a 1/4"-3/8" nap roller to achieve an even surface texture. Minimize roller marks by rolling from wall to wall without lifting the roller in the middle of the floor. Allow body coat to cure for 12-24 hours (4-8 hours for Fast Cure). Termination points should be made at doorways, joints, etc. If it is not possible to terminate at these points, 2" masking tape should be placed in a straight line at the ending point. Carefully spread the material up to and slightly over the inside edge of the tape. Allow material to cure for roughly thirty (30) minutes and then remove the tape. Complete back-rolling within 15 minutes. Mixed material left in the pail longer than 5 minutes will have an accelerated reaction and reduced working time.

QUARTZ BROADCAST

Allow the epoxy body coat material to level for 10 minutes before broadcasting quartz granules. Walk onto body coat with spike shoes and broadcast desired quartz blend into the wet floor by throwing quartz upwards and until refusal. The surface of the epoxy should appear dry. Broadcast additional quartz if wet spots appear and avoid producing high spots. Do not walk on areas where quartz has been broadcast. Approximately .5 – 1.5 pounds of quartz will be needed for each 1 Sq. Ft. of flooring depending on the thickness of epoxy and broadcast technique. Allow to cure for 4 to 8 hours. Sweep excess quartz with a stiff bristled broom or 12" dull drywall scraper. Vacuum up all excess quartz. If surface broadcast appears uneven after the quartz cleanup, repeat body coat application and an additional quartz broadcast.

GROUT COAT APPLICATION

UDT recommends an application of UDT MC Epoxy as a "grout coat". Grout coats bind any loose quartz granules together and fill in all voids around the quartz granules. Wear "spiked" shoes while walking on wet material. Mix only the amount of material that can be applied in 15 minutes or less. Immediately pour the product out in a strip on the floor. Spread the epoxy with a flat squeegee and back-roll with a 1/4"-3/8" nap roller to achieve an even surface texture. Minimize roller marks by rolling from wall to wall without lifting the roller in the middle of the floor. Allow body coat to cure for 12-24 hours before applying the top coat. UltraSpartic may be used as a faster drying alternative to UDT MC Epoxy. Follow UltraSpartic mixing and



application instructions and allow to dry for 1.5 – 2 hours before applying the top coat. Never exceed the stated recoat window of each product.

TOP COAT APPLICATION

Apply a top coat of UltraSpartic. Wear “spiked” shoes while walking on wet material. Mix only the amount of material that can be applied in 20 minutes or less. Immediately pour the product out in a strip on the floor. Spread UltraSpartic with a 5 or 10 mil squeegee and back-roll with a 3/8” nap roller to achieve an even surface texture. Minimize roller marks by rolling from wall to wall without lifting the roller in the middle of the floor. Allow UltraSpartic to dry for 8 hours for foot traffic and 3 days for vehicle traffic or parking.

IMPACT may be used as a thin-film, water-based alternative to UltraSpartic as a top coat or as a re-coat/maintenance coat in future applications. Refer to IMPACT instructions for preparation, mixing, and application procedures.
