westcoat®
SPECIALTY COATING SYSTEMS

SYSTEM SPECIFICATION

EC

EPOXY COAT
DURABLE RESINS & HARDENERS

Dubro

Quartz

Description

The Double Broadcast Quartz (Dubro Quartz) is a 100% solids epoxy floor coating system with TC-65 Quartz Sand aggregate broadcasted into the clear base coats and sealed with clear epoxy.

Uses

Dubro Quartz is designed for use in showrooms, restaurants, garages, restrooms, commercial kitchens, auto dealerships, and airplane hangers. Dubro Quartz is a decorative, durable, and chemical resistant coating, which makes it perfect for residential and commercial applications. Dubro Quartz is designed to be used as a medium to heavy duty coating.

Advantages

- Chemical Resistant
- Durable
- 100 % Solids
- Low Odor
- Decorative
- High Build
- Seamless
- Easy Clean Up
- USDA Compliant

Packaging

EC-72 Epoxy Patch Gel (½ gallon or 2 gallon kits)
EC-12 Epoxy Primer (Clear) (1½ and 15 gallon kits)
EC-32 Epoxy Topcoat (1½ and 15 gallon kits)
TC-65 Quartz Sand 50lb bag

INSPECTION / PREPARATION

Inspection

Surface must be structurally sound. The surface must be dry and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion. The surface must be porous or rough enough to allow the product to soak in. The concrete should be at least 2500 psi and feel like 30 to 50 grit sandpaper. A minimum of 28 days cured is required on all concrete. Before starting flooring work, test existing concrete slab for efflorescence, moisture, and hydrostatic pressure.

Preparation

Pre-cut and clean all cracks and joints with a concrete diamond blade to at least ¼ x ¼ inch. Prepare concrete to a profile equal to 30 or 50, grit sandpaper. You may mechanically profile by grinding, shot blasting or scarifying. Methods may vary according to the thickness of the coating to be applied and the condition and hardness of the concrete. Other factors include the forecasted use of the surface and the environment in which it is to be installed. When preparing the surface use caution when shot blasting around pools, scarifying too aggressively, leaving grinding marks or grinding too smooth.

Moisture

All concrete should be tested for moisture before applying a seamless coating. Water vapor transmission upwards through on-grade concrete slabs may result in loosening of epoxy floors or improper curing of epoxy materials. If moisture emissions exceed 5 lbs./1000 sq ft. contact the manufacturer before application.

APPLICATION

Crack Filler

Mix 1 part A with 1 part B (by volume) of EC-72 Epoxy Patch Gel together for 3-4 minutes and apply to the crack using a trowel or putty knife. Patch all spalls and cracks with EC-72, allow to dry for 2-3 hours before priming. The material may be slightly overfilled in the crack and when completely dry (4-6 hours) can be sanded or ground smooth.

Primer

Mix 2 parts A with 1 part B (by volume) EC-12 Epoxy Primer together for 3-4 minutes. Immediately apply at a rate of 250-300 (5-8 mils) square feet per gallon using a trowel or squeegee and then back roll to ensure complete coverage. Be sure to apply up cove to termination point.

For maximum penetration into the concrete, thin by adding 1-2 quarts of acetone to each 1½ gallon kit. Thinned material must be applied at no more than 5 mils (and not allowed to puddle) to cure properly.

Base and Broadcast Coat

Mix 2 parts A and 1 part B of EC-32 for 3-4 minutes then apply at a rate of 125 to 150 square feet per gallon. Broadcast premixed Quartz Sand aggregate into the wet base coat to refusal, at a rate of approximately 100 square feet per 50 pound bag, until no more shiny spots are evident. Careful and even placement of Quartz Sand aggregate will help prevent displacement (ridges) of epoxy and ensure more even coverage.

Second Broadcast

Mix 2 parts A and 1 part B of EC-32 for 3-4 minutes then apply at the rate of 75-100 square feet per gallon and broadcast Quartz Sand aggregate evenly into wet EC-32, at a rate of approximately 100 square feet per 50 pound bag. After epoxy has cured, sand, grind, or scrape area as needed, sweep up excess Quartz Sand, and vacuum floor clean.

Topcoat

Mix 2 parts A and 1 part B of EC-32 (Clear) for 3-4 minutes then apply at the rate of 100-150 square feet per gallon. Additional topcoats and/or additional broadcasts may be required to vary the texture.

Optional Materials

Cove

•EC-76 Cove Gel can be used to create cove at the wall to deck transition. Cove may be created using cove tool.

Primer

•EC-11 Water-Based Epoxy can be used in place of the EC-12 if a water-based product is desired.

Additional Topcoat

•An additional topcoat of EC-32 can be applied at 200-400 square feet per gallon to obtain desired texture.

•Use EC-95 Polyurethane Topcoat or EC-100 Polyurea Topcoat over EC-32 for greater chemical and UV protection.

•EC-50 Novolac may be used as a final topcoat for extreme chemical or heat conditions.

•See Product Specification sheets for detailed instructions

Protect the finish work by prohibiting traffic on floor for 48 hours after installation. Avoid heavy abrasion and chemical exposure for 5 days.

Recoating

If additional coats are desired, they must be applied with in 24 hours, or the cured material must be sanded and wiped with acetone before application.

Clean Up

Uncured material can be removed with solvent. If cured, material can only be removed mechanically or with an environmentally-safe solvent.

MAINTENANCE

Interior floors that are coated with epoxy and/or Polyurethane should clean up with a mild non-filming detergent. Be sure to rinse well. You may use Westcoat Degreaser diluted with 10 parts of warm water. Scrub with light bristle brush and rinse with clean water.

You may wax interior floors with Westcoat Liquid Floor Wax to renew the gloss if desired. If wax is applied, occasional stripping of the wax may be required.

If recoating of the floor is required due to wear or abrasion, you will need to clean and degreaser the surface, then lightly abrade and reapply the topcoat. In most cases you will need to clean the surface with a solvent such as acetone and thin the new topcoat as well. A primer may be required. We suggest you recoat at 5 years depending on use. Contact Westcoat or your applicator for details.

LIMITATIONS

- This system is designed for professional use only.
- Read individual Product Specification sheets for each product you will be using before beginning the project.
- For interior use only.
- Be sure to do adequate surface preparation.
- Test for moisture in concrete and vapor drive.
- Be sure to measure and mix properly. Be aware of the pot life of mixed epoxy.
- Do not apply in temperatures below 50°F or above 95°F. Cooler temperatures will cause slower dry times.
- Do not allow Westcoat product to freeze.
- Heavier topcoat may become slippery.
- Approval and verification of proposed colors, textures, and slip resistance is recommended.

HEALTH PRECAUTIONS

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Avoid breathing vapors, it is strongly recommended that respirators are worn.

Prolonged or repeated skin contact can cause slight skin irritation. All epoxies have the potential of causing skin irritations or allergic reactions. Be careful not to get on skin, clothes or in eyes. Gloves are strongly recommended. If splashed in the eye, flush with warm weather and contact a physician if blurring persists.

Solvent based products are extremely flammable, extinguish all pilot lights and sources of ignition such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

DISCLAIMER

PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.

westcoat®
770 Gateway Center Drive San Diego, CA 92102
800•250•4519 • Fax 619•262•8606 • westcoat.com