**Terrazeco Broadcast Chip System**

No Odor, VOC-Compliant Broadcast Chip System

# FOR PROFESSIONAL USE ONLY!

Terrazeco Broadcast floor coating systems are required to be installed by licensed coating contractors only. Please read application instructions in their entirety prior to installation and contact Terrazeco Broadcast Systems with any questions before you begin any coating project.

Terrazeco Broadcast Chip System is a VOC-Free and no-odor 3-coat chip broadcast coating system which consists of a pigmented primer coat, clear broadcast coat and clear top-coat(s).

# MATERIALS REQUIRED

1. Terrazeco Broadcast 100% Solids Epoxy
2. Top Coat for Sealer Application
3. Blended Chips Media
4. Terrazeco Broadcast Patch (optional)
5. Terrazeco Broadcast MVB (optional)

# Coverage:

1. Pigmented Prime Coat: 200 ft2/ga.
2. Second Broadcast Coat: 200 ft2/gal.
3. Quartz Broadcast: 330 ft2/box
4. Clear Top-Coat: 150 ft2/gal.

# SURFACE PREPARATION

Concrete to be mechanically ground with metal bond diamonds to an ICRI CSP-2 profile (equivalent of 30-60 grit sandpaper). Grinder marks should be minimal so they do not telegraph through the final surface. All cracks should be repaired prior to application with Terrazeco Broadcast Patch concrete repair material.

# MOISTURE IN CONCRETE:

Moisture vapor transmission should be measured prior to installation and should not exceed 3 lbs/1000 ft2 or 75% relative humidity. For higher moisture floors, a base primer coat of Terrazeco Broadcast MVB should be installed prior to system application.

# CONTAMINATED CONCRETE:

Concrete slabs contaminated with oil and grease must be treated prior to application. Concrete may be treated with professional strength degreasers or organic oil emulsification materials to properly mitigate contaminated areas.

# MIXING:

# Mixing Part A with Part B:

Do not mix until ready for immediate use. Elevated temperature and humidity levels will reduce product pot-life and working time. In a separate mixing vessel combine Part A with Part B for 2 minutes with slow speed drill or paddle mixer, making sure to scrape sides and bottom of bucket. Avoid creating a vortex, which will induce air.

# APPLICATION METHOD:

All steps require the use of 18” 3/8 nap soft woven roller covers, 6” weenie rollers and/or 2” chip brushes. All steps described below will incorporate a “cut-in” around the perimeter. The cut in should stay just ahead of the main floor application. Product should be dry to the touch in 8-10 hours following application.

**Squeegee & Roll:**

Pour a ribbon of material at the back wall or starting point, spread the material using the squeegee.

Once the Squeegee is 8-10 feet from the starting point begin a perpendicular back roll over that section followed by the finish back roll using a saturated 18” roller moving in the opposite direction of the initial application. The finish roll should start at the back wall and work its way across the entire section in 18” paths moving toward the individual(s) applying the material. Each pass should overlap the first by approximately 1”. Ideally the person completing the back roll should work at a pace even to that of the initial application, remaining careful to never catch up to the initial application. The finish back-roll should always remain constant once it begins and never stop. This process should be continued across the floor creating an even “streak free” finish. Additional ribbons of material should be poured into or added to the existing ribbon of material before it runs dry thus causing the squeegee to stop. Be certain to always maintain the wet edge. Continue this process across the entire floor.

APPLICATION OF PRIMER COAT:

Following surface preparation, be certain that the substrate is free of any excessive concrete dust, moisture or other contaminants. A coat of Terrazeco Broadcast 100% Solids Epoxy pigmented should be installed at a rate of 200 ft²/gallon using one of the application methods mentioned above.

**BROADCAST COAT**:

1. Terrazeco Broadcast 100% Solids Epoxy clear material can be applied using the method described above.
2. A coat of Terrazeco Broadcast 100% Solids Epoxy clear should be installed at a rate of 200 ft²/gallon.
3. Immediately following the finish back roll, a third person on spikes will broadcast the chip aggregate into the wet resin to refusal or rejection. Coverage rate for the chip media is approximately 330 ft per 55 pound box. (It is recommended that extra chips be on hand to avoid running short).
4. \*\*IMPORTANT: Chip broadcast should stay 3-4’ back from the finish back roller at all times so quartz does not get thrown into resin that has not yet been back rolled. It’s critical that the initial application of the resin, the finish back roll and the quartz broadcast move across the floor in a consistent manner in order to obtain a uniform finish. (Don’t get too close or too far from one another). Continue this process across the entire floor.

# CHIP CLEAN AND SCRAPE:

Once the broadcast coat is dry to the touch, begin the clean and scrape process. Verify that material is dry using a “thumb test”. Gently brush aside excess chip, place your thumb on the surface and gently twist. If your thumb moves the chip then you are not ready. If your thumb moves across the surface without moving the chip then you are ready to proceed. \*\*Note. The floor is dry and can be walked on but is not “cured” at this point. Walk cautiously do not run or twist your feet on the surface.

1. Walk out onto floor with an electric leaf blower and proceed to blow all excess/non-adhered chip into piles or toward a corner. Carefully clean up the excess chip and re- box it as it can be used again on future projects.
2. Using a 12-14” metal floor scraper proceed to scrape the surface in 3 opposing directions (north/south, east/west, diagonal) ensuring the entire floor receives a uniform scrape. This procedure is critical to a quality finished floor. A poor scrape will result in an uneven finished texture and excess material usage on the top coat. \*\*Note-round off the sharp corners of the scraper to avoid gouging the surface during the scrape process.
3. Clean up all the chip debris by blowing it into piles with the leaf blower. Clean up the debris and dispose of it in the trash. (The scraped chip cannot be re-used on the next job). Blow the floor a second time to ensure all remaining chip debris is off the floor and surface is clean and ready for the top coat.

**APPLICATION OF TOP COAT:**

Top coat will consist of a coat of Terrazeco Broadcast 100% Solids Epoxy or Sparta-Flex® PURE clear applied at a rate of 150 ft²/gallon.

**CURE / POST COMPLETION:**

The floor should be monitored for 8-12 hours to prevent foot traffic and should remain out of service for 24 hrs before returning the normal use.

**MAINTENANCE AND CLEANING:**

Please visit www.soystep.com for comprehensive cleaning instructions. Terrazeco Broadcast 100% Solids Epoxy and HP Spartacote Pure floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. However, these contaminants can act as abrasives and if not removed regularly can mar the finish on the floor over time.

**Cleaning Procedures:**

Do not use actual soap as it may leave a film that attracts dirt while causing the floor to be slippery. If strong detergent or degreaser type cleaners are used during the cure cycle, they may stain the floor. Terrazeco recommends EF-5. Rayon mops are recommended for floors with traction additive. A soft bristle brush may be used to remove more difficult stains. Foam Squeegee may be used to remove excess water.