

**DESCRIPTION:**

DECO QUARTZ HB is a decorative flooring system designed for application over substrates with irregular texture where some filling is required. It is applied at a minimum of 1/4" and is a durable surface for areas subject to traffic. Colored quartz aggregate is used to give an attractive finish. The Deco Quartz HB surface is sealed, yet slip resistant for safety. It is U.S.D.A acceptable for use in food plants.

**ADVANTAGES:**

- Decorative Finish In A Variety Of Colors
- Excellent Adhesion
- Prepackaged, For Easy Mixing
- Slip Resistant, Durable Finish

**USES:**

- Food Preparation Areas
- Locker Rooms and Break Rooms
- Laboratories
- Restaurants and Institutions
- Pharmaceutical Research Areas
- Supermarkets

**SUPPLEMENTAL PRODUCTS:**

- 3500 Grout – Pitching and Filler
- DECO-QUARTZ VS - Vertical Surfaces and Coves
- 3000 Flex- Expansion Joint Sealer

**PACKAGING AND COVERAGE:**

**DECO QUARTZ HB - 1/4 unit** – (single batch packaging)  
 – covers 65 square feet at approximately 1/4 inch (250mils), and consists of the following -

**1 batch – Deco Quartz HB Primer**

- 1 container – Part A (resin)
- 1 container – Part B (hardener)

**3 batches – Deco Quartz HB Trowelcoat**

- 3 containers – Part A (resin)
- 3 containers – Part B (hardener)
- 3 bags – Part C (chemical resistant aggregate)

**1 batch - DECO QUARTZ HB - Broadcast coat**

- 1 container – Part A (resin)
- 1 container - Part B (hardener)
- 32.5 pounds – Color Quartz Aggregate

**1 Batch - DECO QUARTZ HB - Dresscoat**

- 1 container – Part A (liquid)
- 1 container - Part B (liquid)

Larger Packaging Is Available

**PROPERTIES:**

<b>Compressive Strength</b>	11,500 psi ASTM C-579 (resin)
<b>Tensile Strength</b>	1,750 psi ASTM D-638 (resin)
<b>Flexural Strength</b>	3,500 psi ASTM C-580 (resin)
<b>Bond Strength</b>	Greater than 350 psi ASTM C-321 100% concrete failure
<b>Coefficient of Thermal Expansion</b>	1.4 x 10 <sup>-5</sup> in./in./°F
<b>Impact Strength</b>	100 in./lbs.
<b>Indentation</b>	No indentation MIL-D-3134F
<b>Abrasion Resistance</b>	70 milligrams ASTM D-1044
<b>Flammability</b>	Does not support combustion
<b>Water Absorption</b>	0.056% ASTM C-413
<b>Working Time at 75°F (24°C)</b>	20-30 minutes ASTM C-308
<b>Shelf Life</b>	1 Year
<b>Colors</b>	Various (See Color Chart)
<b>Solids by Content</b>	By Weight 100% By Volume 100%

**SURFACE PREPARATION:**

Deco Quartz HB may be installed only on clean, sound substrates

Concrete:

New concrete must be cured a minimum of 28 days. All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be acid etched, scarified or shot blasted to remove surface laitance. A good bonding tooth, the texture of 60 grit sandpaper, is desired for maximum adhesion, with removal of all surface glaze.

Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. To produce the desired 3 mil anchor profile, the blast media used shall be properly graded, clean, sharp, and angular, similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

**MIXING:**

Prior to mixing, materials should be stored at 70°F (21°C) at least 48 hours. For Broadcast coats, and Dresscoat, empty entire contents of Part B into Part A and stir thoroughly for 3 minutes. As with all mixtures, do not allow them to sit in a pail as this will substantially reduce the working time of the material.

**Note: High humidity may cause Dresscoat to become cloudy or streak.**

**APPLICATION:**

Substrate Temperature should be at 65°-85°F (18°-29°C) during installation and for 96 hours for complete cure. Do not apply DECO QUARTZ HB when floor temperature is below 60°F (16°C). Apply HB Primer at a rate of 65 sq. ft. per batch. Screed the Deco Quartz HB Mortar out at 3/16 inch, and finish the surface with a steel finishing trowel. After mortar has cured, apply HB Broadcast resins with a squeegee or a roller at a rate of 65 sq. ft. per batch and broadcast the color quartz aggregate, to excess, into the wet surface. Leave a 1 foot wet edge for the next batch of liquids. Allow resins to set for 2-4 hours at 70°F (21°C) or until hard. Sweep off excess color quartz and discard. Finally, apply Dresscoat in a thin even layer at approximately 65 sq. ft. per batch with a squeegee, and then back roll with a short nap roller. For a smoother texture, add additional coat of Dresscoat. Unless otherwise specified, this flooring is designed to follow the existing contour of the floor. (Do not apply Dresscoat in one heavy coat or the surface texture can become non-uniform from surface defects such as air entrapment.)

**CURE TIME:**

DECO QUARTZ HB will harden to foot traffic in 10-12 hours at 75°F (24°C). Maximum chemical resistance will occur after 96 hours of cure time at 75°F (24°C). A light coat of acrylic wax is recommended, after floor has cured, to aid in ease of cleaning.

**CLEANUP:**

Cured or hardened DECO QUARTZ HB will bond to practically all surfaces and is extremely difficult to remove. Clean all tools and mixer immediately after use with acetone or other solvent based cleaners.

**SAFETY:**

Avoid contact with skin. If eye contact occurs, flush with water and consult a physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode. DECO QUARTZ HB Material Safety Data Sheets are available upon request.

**NOTE:**

Refer to DECO QUARTZ HB Instruction for use.

**IMPORTANT NOTICE TO PURCHASER:**

**The following is made in lieu of all warranties, expressed or implied. Seller and manufacturer's only obligation shall be to replace such quantities of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered unless written authorization is received from PROTECTIVE FLOORINGS AND LININGS, A DIVISION OF A. W. CHESTERTON.**

Revised 01/16/07