

# DECOQUARTZ

PRODUCT 746

# DECOQUARTZ PLUS

PRODUCT 743

Normal and Rapid Cure Formula Base Coats for Quartz Floors

## PRODUCT DESCRIPTION

**DecoQuartz** is a normal cure formula and **DecoQuartz PLUS** is a rapid cure decorative quartz aggregate flooring system, which can be applied by broadcast (seeding) or troweled application methods. The **DecoQuartz** systems combine colored quartz granules in a clear, 100% solids matrix binder to produce a hard and extremely durable seamless flooring surface for interior applications. This colored quartz can typically be installed from a 1/16" to 1/8" thick depending upon the installation method.

**DecoQuartz** and **DecoQuartz PLUS** provide a decorative floor system with excellent slip, impact and chemical resistance to most common chemicals; it can be installed monolithically with an integral cove base and is USDA approved, no offensive odors, and is VOC compliant.

The **ColorQuartz** granules are available in a wide range of colors and a number of standard color combinations. Refer to Thermal-Chem Decorative Color Chart. However, an almost unlimited variety of color combinations and textures can be achieved with this decorative flooring system.

## USES

The **DecoQuartz Flooring System** provides excellent properties for service in such areas as:

- Commercial kitchens
- Deli's and food service areas
- Shower/locker room floors
- Laboratory floors
- Lobby areas
- Auto showrooms and service areas
- Correctional facilities
- Hospitals - both human and animal

Or, where floor surfaces require the following properties:

- Seamless and sanitary surface
- Superior abrasion resistance
- Decorative and functional floor
- Excellent slip-resistance, even in wet areas
- Extremely durable and long lasting surface

Degrees	Recoat
<b>DecoQuartz</b>	
77°F	5-6 hrs.
60°F	10-12 hrs.
<b>DecoQuartz Plus</b>	
77°F	3-4 hrs.
60°F	5-6 hrs.

The above table assumes ambient temperature, material and substrate are equal and material is applied at 20 mils in thickness.

## ADVANTAGES

- A moderate/cost effective floor surface
- Seamless and sanitary installations
- Provides an extremely durable and lasting decorative surface
- Tough enough for foot or vehicular traffic areas
- Good resistance to most common chemicals, urine and greases
- Can be installed over dry or damp substrates
- Approved for USDA facilities and is VOC compliant
- Installed by approved applicators

- Can be finished with any of Thermal-Chem's clear topcoats (epoxy urethanes and polyureas).

### TYPICAL PHYSICAL PROPERTIES

Physical Characteristics	DecoQuartz 746	DecoQuartz Plus 743
Hardness, Shore D ASTM D2240	80-85	82-85
Bond Strength ACI 503	> 350 100% con. failure	> 350 100% con. failure
Impact Resistance ASTM D2794	160 in./lbs	160 in./lbs
Abrasion Resistance ASTM D1044 Tabor Abrasion CS-17 Wheel 1000 gms. Load 1000 cycles	35-44 mg. loss	35-45 mg. loss
Viscosity 77 Degrees F.	600-800 cps	600-800 cps
Viscosity 60 Degrees F.	1500-1800 cps	1500-1800 cps
Compressive Strength ASTM D695 PSI 7 Day Cure Aggregate Filled	10,250 12,100	10,300 12,600
Compressive Modulus ASTM D695	263,300	264,500
Flexural Strength ASTM D790 Modulus	13,640 389,100	13,750 391,100
Tensile Elongation ASTM D638	5.4%	5.4%
Tensile Strength	8,940	8,985
Tensile Modulus	426,480	428,600
Freeze Thaw Resistance ASTM C666	300 Cycles Passes	300 Cycles Passes

### LIMITATIONS

- Broadcast application may mirror substrate conditions
- Requires a top coat of **DecoTop Clear**, **DecoTop P** or one of Thermal-Chem's urethanes
- Not recommended for use in areas of harsh chemical usage
- A top coat of **DecoTop Clear** (epoxy) may discolor if exposed to sunlight

### COLOR and TEXTURES

- Unlimited color combinations available
- Quartz granules available in twelve (12) colors
- Various slip-resistant textures available

### PRODUCT APPLICATION

Either **DecoQuartz Flooring System** can be used over the **VaporGard** coating, where hydrostatic and vapor transmissions could pose a potential hazard; and is compatible with any of the Thermal-Chem complimentary and repair products (refer to the catalog). Depending on project requirements and application technique, **DecoQuartz Flooring Systems** can be applied in thicknesses of  $\frac{1}{16}$ " to  $\frac{1}{4}$ " or greater, by one of the following methods:

- Single, double or triple seed broadcast
- Slurry and broadcast method
- Trowel application

Refer to appropriate Thermal-Chem product Installation Guide.

### PRODUCT AVAILABILITY

Products are manufactured and available through the Thermal-Chem Corporation, 2550 Edgington Street, Franklin Park, IL 60131 U.S.A.

Tel: 800/635-3773 ■ 847/288-9090  
Fax: 847/288-9091

Help/Sales: [sales@thermalchem.com](mailto:sales@thermalchem.com)

Website: [www.thermalchem.com](http://www.thermalchem.com)

## TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through Thermal-Chem Corporation; or their local representatives.

Every reasonable precaution and effort has been taken in the manufacturer of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or conditions.

## PRODUCT HANDLING

Read the Material Safety Data Sheet thoroughly before use.

**Warning:** For professional use only. Avoid contact of uncured material with skin and eyes. Contact with skin may result in irritation. Wash skin with soap and water. If contact with eyes should occur, flush with water for 15 minutes and seek immediate medical attention.

## LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will replace any product proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement, **THERMAL-CHEM CORP. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS**, and Thermal-Chem Corporation shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within one hundred and eighty (180) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.