

PRODUCT DATA

9 09 97 23 Coatings for Concrete and Masonry

THOROCOAT® HEAVY TEX

Water-based, high-build, 100% acrylic, heavily textured coating

Description

Thorocoat® Heavy Tex is a water-based, high-build, 100% acrylic, heavily textured coatings containing a combination of both silica and perlite aggregate.

Yield

35 – 65 ft²/gal (0.88 – 1.63 m²/L), depending on desired texture

Coverage should not exceed 65 ft²/gal (1.63 m²/L).

Always apply material to a test area to determine results and actual coverage before general application. Coverage will vary depending on surface texture and porosity.

Packaging

5 gallon (18.9 L) pails

Color

Thorocoat® Heavy Tex is available in 4 bases (pastel, medium, ultra, and neutral), and 48 standard colors through the Elements color program. Color formulations are available through the electronic Thoro® Tint Manual. Custom colors are available upon request. For further information, please consult your local BASF distributor or representative.

Features

- Aggregate texture
- Excellent adhesion

- Resists wind-driven rain
- Breathable

- Excellent color retention and UV resistant
- Recoatable
- VOC compliant

Benefits

Hides minor surface imperfections

Seals and bonds securely to substrate for long-term durability

Helps prevent water penetration into the substrate

Allows water vapor to escape from the structure; prevents peeling and blistering

Looks like new long term

Easy and cost-efficient to maintain

Environmentally friendly

Texture

Thorocoat® Heavy Tex contains large-sized perlite aggregate (approximate maximum aggregate size 1/5" [5 mm]).

Shelf Life

18 months when properly stored.

Storage

Store in unopened containers protected from freezing in a clean, dry area.

Where to Use

APPLICATION

- Tilt-up constructions
- Commercial buildings

LOCATION

- Vertical and overhead
- Exterior
- Above grade

SUBSTRATE

- Concrete and masonry
- Stucco and plaster

How to Apply

Surface Preparation

1. Surface should be clean and sound. Concrete substrates should have a minimum 28 day cure and be free of all bond-inhibiting contaminants.
2. High-pressure water blast (or abrasive blast on hard, dense surfaces) surface to medium grit sandpaper texture (reference ICRI guide 03732 SP 3).
3. Repair any holes, spalled and damaged concrete with appropriate BASF Construction Chemicals repair materials. Remove any protruding concrete accessories and smooth out any irregularities.
4. Some stains may require chemical removal. Be sure to neutralize the compounds and rinse with clean water.
5. Remove any blisters or delaminated areas and sand edges to smooth rough areas and provide transition to old paint areas.
6. Check adhesion of old paint using ASTM D 3359, measuring adhesion by Tape Method A.
7. Treat cracks greater than 1/32" with Patching Compound 746 / 748. Treat cracks larger than 1/4" as expansion joints and fill with appropriate BASF Construction Chemicals sealant.

CRACKS



Technical Data

Composition

Thorocoat® Heavy Tex contains water, acrylic emulsion, fillers and other proprietary ingredients.

Test Data

PROPERTY	RESULTS	TEST METHODS
Density , lbs/gal (kg/L)	9.8 – 10.8 (1.17 – 1.29)	ASTM D 1475
Solids , %		ASTM D 5201
By weight	62.7	
By volume	54	
Viscosity , KU	102 – 108	ASTM D 562 (Stormer)
VOC content , lbs/gal (g/L)	0.63 – 0.84 (75 – 101)	ASTM D 3960
Resistance to wind-driven rain	Meets requirements – no water penetration	TT-C-555B*
Artificial weathering and UV resistance , 5,000 hrs	Passed	ASTM G 53
Water-vapor permeance , perms	6	ASTM E 96 Procedure A*
Flexibility , 1" mandrel	No cracking	ASTM D 522
Fungus resistance	No growth; passed	ASTM D 3273
Heat age stability , 30 days at 140° F (60° C)	Passed	Fed. Std.-141 C #3019.1
Salt fog resistance , 300 hrs	No change	ASTM B 117

*Tested over Thoro® Block Filler and Thoro® CM Primer

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

1. Locate and properly repair all cracks.
2. Clean and detail static hairline cracks caused by plastic or drying shrinkage and fill by a brush coat of Thorocoat® Smooth and allow to dry.
3. Clean static cracks greater than 1/32" (0.8 mm) in width and fill with Patching Compound 746 / 748 (see Form No. 1017938).
4. Treat cracks greater than 1/4 by 1/4" (6 by 6 mm) as standard sealant joints according to a reputable sealant manufacturer's instructions. Contact BASF Technical Service for recommendations.

PRIMER OR BASE COAT

1. Prime all concrete surfaces with 1 coat of Thoro® CM Primer (see Form No. 1019088) at a rate of 175 – 275 ft²/gallon (4.3 – 6.7 m²/L) before the application of Thorocoat® Heavy Tex.
2. Pre-treat all CMUs or block surfaces with a basecoat of Thoro® Block Filler (see Form

No. 1019087) at a rate of 35 – 80 ft²/gallon (0.85 – 2 m²/L) and allow to properly cure before the application of Thorocoat® Heavy Tex.

Mixing

1. Thorocoat® Heavy Tex is heavily aggregated material.
2. Mechanically mix contents at a slow speed with a drill and mixing paddle before and occasionally during the application to ensure color uniformity and even aggregate suspension. Slow-speed mixing minimizes air entrapment.
3. In multi-pail applications, mix the contents of each new pail into the partially used pail to ensure consistent transitions from pail to pail.
4. Do not dilute or thin material.

Application

ROLLER AND BRUSH APPLICATION

1. General applications by brush or roller are not recommended due to the difficulty in achieving consistency in appearance.
2. Thorocoat® Heavy Tex can be brushed to "cut in" hard-to-reach areas, if desired, but care must be taken to evenly distribute the aggregate.
3. Work material uniformly onto the wall, always maintaining a wet edge to be followed by the spray finish.

SPRAY APPLICATION

1. Spraying Thorocoat® Heavy Tex is the recommended method of application.
2. Thorocoat® Heavy Tex can be spray applied with a hopper gun, using compressed air or other select air-assisted equipment (rotor/stator or diaphragm) capable of spraying heavy-bodied and heavy-aggregated materials.
3. Thorocoat® Heavy Tex is designed as high-build acrylic coatings. Maintain proper uniform coverage and application techniques during application to

ensure the desired appearance and performance characteristics (see coverage rates).

4. Always work to a natural break and maintain a wet edge during application.

5. For consistency of texture, keep application methods uniform throughout. Inconsistent application techniques will produce texture or color variations. The objective is to obtain a pinhole-free system that achieves a consistent film build on all treated surfaces.

Drying Time

Times assume 70° F (21° C) and 50% relative humidity.

To touch: 2 – 4 hours

To full cure: 5 days

Lower surface or air temperatures and higher relative humidity will extend the drying time.

Clean Up

Clean all tools and equipment immediately with water. Cured material may be removed by mechanical means.

For Best Performance

- Protect from freezing. If partially frozen, material may be usable if containers are placed in a heated area and allowed to warm gradually. Do not apply heat directly to the containers.
- Do not apply when temperature (substrate or ambient) is 40° F (4° C) or below or is expected to fall below 40° F (4° C) within 24 hours after application.
- Do not apply if rain is expected within 24 hours of application.
- Do not use below grade. Do not use where coating is subject to hydrostatic pressure or immersion.
- Do not apply to horizontal, traffic-bearing, or marginally sloped surfaces.
- Do not apply over moving cracks, control joints, expansion joints, or as a crack-bridging system.
- Apply a 4 by 4 ft (1.2 by 1.2 m) test area to verify acceptable color and adhesion before proceeding with any project. The test method for measuring adhesion is ASTM D 3359, Measuring Adhesion by Tape, Method A. On the 0 – 5 scale, a minimum adhesion rating of 4A is required.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

THOROCOAT® HEAVY TEX

Caution

Thorocoat® Heavy Tex contains Ethylene glycol, ester alcohol and crystalline quartz silica.

Risks

May cause skin, eye or respiratory irritation. Ingestion may cause irritation. Repeated ingestion may cause kidney damage.

Precautions

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

Proposition 65

This product contains material listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

VOC Content

0.63 – 0.84 lbs/gal or 75 – 101 g/L, less water and exempt solvents

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

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