



The Chemical Company

#### PRODUCT DATA

7 07 18 00 **Traffic  
Coatings**

## SONOSHIELD® 580 PLUS DC

Acrylic-emulsion based colored bond coat

### Description

Sonoshield® 580 Plus DC is a flexible and breathable coating based on a combination of acrylic resins and aggregates. It can be used as the background or grout line color for the systems listed under the APPLICATION section below.

### Yield

64 ft² - 125 ft² per gallon. 13-25 wet mils per coat.

Coverage rates will vary with the texture and porosity of the surface.

### Packaging

5 gallon (18.9 L) pails

### Color

Sonoshield® 580 Plus DC is available in six standard colors: cocoa, sandstone, gray, rose, slate and tan. Sonoshield® 580 Plus DC is also available in tint base. Minimum order for special color tint base is 50 gallons.

### Shelf Life

1 year when properly stored

### Storage

Store unopened containers in a clean, dry area 45° to 90°F. Protect from freezing.

### Features

- Single component product
- Good hiding capability
- Breathable
- Acrylic formula
- Water-based formulation
- Multiple colors

### Benefits

- Reduces labor costs
- Provides uniform color over new and existing concrete surfaces
- Allows substrate to breathe, can be used on grade
- Excellent bonding capability, provides flexibility
- VOC compliant, environmentally friendly, tools clean up with water
- Various color options

### Where to Use

#### APPLICATION

- Under Sonoshield® 595 DC, and 590 DC
- As a colored coat over Thoroseal® 550i and Flextight to provide grout color lines
- Over modified Sonoguard systems
- To provide uniform color to concrete
- Patios
- Walkways
- Balconies
- Pool decks

#### LOCATION

- Horizontal and vertical surfaces
- Interior or exterior

#### SUBSTRATE

- Over new or existing concrete

### How to Apply

1. Remove all deteriorated and delaminated concrete. Substrate must be free of all oil, dirt, grease, and other contaminant's.
2. The surface should be roughened by mechanical methods such as sandblasting, waterblasting, shotblasting, or other suitable means. Do not use a method of surface preparation that will fracture the concrete. Verify the absence of microcracking or bruising in accordance with ICRI Guideline No. 03732 (profile of CSP 2-3 ).
3. Fill, repair, and level any damaged areas deeper than 1/8" (3 mm) before applying Sonoshield 580 Plus DC.
4. When applying over Thoroseal® 550i, Flextight or Sonoguard, be certain that the Thoroseal® 550i, Flextight or Sonoguard surface is clean and free of all debris.

**Sonneborn®**

Technical Data

Composition

Sonoshield 580 Plus DC is a proprietary blend of polymer resins, graded aggregates and additives.

Typical Properties

PROPERTY	VALUE
Working time, min, at 70° F (21° C)	60
Recoat time, hrs, at 70° F (21° C)	2 – 3

Test Data

PROPERTY	RESULTS	TEST METHODS
Elcometer adhesion	100% substrate failure (0% bond loss)	ASTM D 4541
Tensile strength, psi	115	ASTM D 412
Elongation, %	350	ASTM D 412
Ultraviolet resistance	No yellowing after 1,000 cycles	ASTM D 822
Vapor permeability	6.54 US perms	ASTM E 96

Mixing

Mix mechanically with a heavy-duty drill (400 – 600 rpm) and a Jiffy-style paddle with a mud blade. An appropriately sized mortar mixer may also be used.

Application

Depending on the substarte texture, one to two coats are necessary for consistent color and hide. Apply material with an airless sprayer or paint roller at the rate of 64 to 125 sq. ft. per gallon. Allow to dry thoroughly.

For Best Performance

- Do not apply coating if rain is expected within 6-8 hrs (depending on temperature and relative humidity).
- Sonoshield 580 Plus DC must be mixed to a uniform consistency.
- Recommended ambient and substrate application temperature is 50 to 90° F (10 to 32° C).
- 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 versions.
- 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

SONOSHIELD 580 PLUS DC

Caution

Sonoshield 580 Plus DC contains Limestone (CAS 1317-65-3), Water (CAS 7732-18-5), Titanium dioxide (CAS13463-67-7), Proprietary acrylic polymer (NJTSRN NJTS-00011-EB), Depending upon color, may also contain: Carbon black (CAS 1333-86-4); Quartz (CAS14808-60-7), Talc (CAS 14807-96-6)

Risks

May cause skin, eye or respiratory irritation. Ingestion may cause irritation.

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.

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

50 g/L or 0.417 lbs/gal less water and exempt solvents.

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

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