

PRODUCT DATA

1. PRODUCT NAME

Dramatic Surface Products™
DSP™ 502 Skim Coat

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
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3. DESCRIPTION

DSP 502 Skim Coat is an exceptional performing, high quality, cement-based compound designed to skim coat, smooth and level irregularities from featheredge up to 1/2" (12 mm). Rapidly sets to install most floor coverings in as little as 30 minutes. DSP 502 Skim Coat has superior bond strength and does not require the use of a primer. Excellent for use over most substrates and provides a suitable surface for even the most demanding floor coverings, such as VCT, sheet vinyl, etc. Ideal product for use as an embossing leveler when mixed with DSP 501 Acrylic Latex Additive.

Product Features

- Featheredge up to 1/2" thick
- Superior bond strength - no primer required
- Sets ultra-fast - install flooring in as little as 30 minutes
- Skim coats rough, unfinished concrete surfaces
- Excellent as an embossing leveler
- Exceptional trowelability

Packaging

10 lb. Plastic Re-Sealable Bag (4.54 kg)
Product #33-0386-5318

Coverage

Coverage shown is approximate.
Actual coverage may vary based on substrate conditions.

Thickness	1/8" (3mm)	1/4" (6 mm)	1/2" (12 mm)
Approximate Coverage per 10 lb. (4.54kg) Bag	30-36 ft ² (2.8 - 3.3 m ²)	15-18 ft ² (1.4 - 1.7 m ²)	7.5-9 ft ² (0.7 - 0.8 m ²)

Suitable Substrates

- Concrete
- Cement backerboards
- Concrete terrazzo
- Ceramic tile
- Quarry tile
- Pavers, brick
- Exterior grade plywood, C-C (plugged) or better

- Exterior grade lauan plywood—Type I Trademarked Exterior Grade, OVL, CC, BB, OVL face grades only
(Note: lauan plywood is an unacceptable substrate for the installation of resilient, ceramic or marble tile)
- Vinyl composition tile (VCT), embossed resilient floor coverings must be single layer and well bonded to an approved substrate – Requires mixing with DSP 501 Acrylic Latex Additive
- Adhesive residue
- Gypsum substrates* – minimum tensile bond strength 72 psi (0.5 MPa)

*Requires priming with DSP 500 Primer

Storage/Shelf Life

Store in a cool dry area away from direct sunlight. Maximum shelf life is one year from date of manufacture in unopened bag.

Limitations

Only for interior use. Do not use where there is hydrostatic pressure or excessive moisture conditions. Not for use as a wear surface or to patch over sealed concrete, epoxy terrazzo, tempered hardboard, particle board, strip wood flooring, over heavily cushioned flooring or perimeter bonded flooring. Do not apply when the temperature is below 50°F (10°C).

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about guidelines for the proper use and application of the covered Dramatic Surface Products under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

DSP 502 Skim Coat	
Physical State	Dry powder
Color	Gray
Compressive Strength (ASTM C-109)	3600 psi (24.6 MPa)
Pot Life	15 to 20 minutes
Install Floor Covering*	30 to 60 minutes
Shelf Life	1 year, unopened bag
Storage	Store sealed bag in cool, dry location. Do not expose to direct sunlight.

*Flooring installation after application is dependent on thickness, drying conditions, and type of flooring.

DSP™ 502

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5. INSTALLATION INSTRUCTIONS

Preparation of Surfaces

All surfaces must be structurally sound, dry and free from oil, grease, dust, loose or peeling paint, sealers, floor finishes, curing compounds or any contaminant that would prevent a good bond. Minimum tensile bond strength of 72 psi (0.5 MPa) is required. Substrate temperature should be a minimum of 43°F (6°C) during application and air temperature maintained above 50° (10°C). DO NOT cover existing building expansion or control joints. Remove all dust by vacuuming. Not recommended for use over expansion or control joints.

DSP 502 Skim Coat can be installed over new or moist concrete with RH of 95% or less. For moisture sensitive floor coverings refer to the finished floor manufacturer's specifications on moisture limitations. Remediation of excessive moisture conditions must be addressed prior to the installation of DSP 502 Skim Coat. To reduce moisture vapor emissions to an acceptable level, use DSP 508 Moisture Mitigator (see product data sheet for details).

Instructions for Mixing

Mix only as much DSP 502 Skim Coat as can be used in 15-20 minutes. USE IMMEDIATELY after mixing. Slowly add the entire bag of DSP 502 Skim Coat into 2½ quarts (2.37 l) of clean, cool water while mixing at a low speed (not exceeding 300 rpm to prevent entraining air). For smaller amounts, use a mixing ratio of 2 parts powder to 1 part water. Mix thoroughly to a smooth, lumpfree consistency. For use as an embossing leveler, DSP 501 Acrylic Latex Additive is required. Slowly add the entire bag of DSP 502 into 2½ quarts (2.37 l) of DSP 501 Acrylic Latex Additive mixing at a low speed (not exceeding 300 rpm to prevent entraining air). Mix thoroughly to a smooth, lump-free consistency.

How to Apply

Immediately after mixing, with a flat steel trowel, work DSP 502 Skim Coat into the void to be filled. Then, finish to a level surface to achieve the desired smoothness. The working time for this product is 15 to 20 minutes depending upon the temperature. High temperature will shorten the working time. For repairs greater than ½" (12 mm) in thickness, you will need to apply two coats, allowing the first coat to set before applying the second. Do not exceed a total thickness of 1" (25 mm) of DSP 502. Do not overwork the product.

The Curing Process

DSP 502 Skim Coat is ultra-fast drying and can accept foot traffic and the installation of most floor covering materials in as little as 30 minutes and up to 60 minutes, depending on temperature, thickness and substrate. Protect from excessive heat or drafty conditions during curing period.

To Clean

Wash tools, hands and equipment with warm soapy water while material is still fresh.

6. AVAILABILITY AND COST

To locate a distributor in your area, please contact 800-832-9002.

7. WARRANTY

H.B. Fuller Construction Products Inc. (HBF-CP) offers a 5-year limited warranty on this product when installed in accordance with HBF-CP's printed specifications. Ask your sales associate or call 800-832-9002 for a copy of the limited warranty.

8. MAINTENANCE

Not applicable.

9. TECHNICAL SERVICES

Technical Assistance:
Information is available by calling 800-832-9023.

Technical and Safety Literature:
To acquire technical and safety literature, please call 800-832-9023.

10. FILING SYSTEM

Division 3 – Concrete
Division 9 – Finishes