

T E C H N I C A L D A T A

“Dry As a Bone”™



DECO PRODUCTS, INC.

DECO PSC

**PROTECTIVE SURFACE COATING
WITH FIRE RETARDANT**
See “ASTM E-162 Flame Spread Test”

DESCRIPTION

DECO Protective Surface Coating is specially formulated to meet the demanding environmental conditions of tropical climates. DECO P S C is an acrylic urethane emulsion. DECO P S C has no solvents. DECO PSC can be applied to concrete, stucco, concrete block, metal or wood.

USE:

Provides maximum protection against water action and color fastness for exterior coatings in tropical conditions.

WARRANTY

DECO Protective Surface Coating is warranted as specified from date of Certificate of Occupancy.

B E N E F I T S

- Tested by SGS U.S. Testing Co. Inc. (Government Approved)
- Exceeds ASTM tests for surface coatings (Certified)
- Waterproof finish against hydrostatic pressure
- Color fastness of surface coating
- Resistance to mold growth
- Can be applied to damp or dry surfaces
- Non-Toxic Non-Caustic Non-Flammable
- Can be applied by airless sprayer, brush or roller
- Crack resistant
- Cost effective
- Surface cure within 2 to 4 hours



Totally water based



Made in the U.S.A.



DECO Products, Inc.
1-800-500-3326
e-mail: deco20seal@aol.com



S P E C I F I C A T I O N D A T A

TEST DATA:

ASTMD 1970-90 Section 7.7 Low Temperature Flexibility

ASTMD 2939 Section 15 Resistance to water

ASTMD 466-42 Resistance to water action.

ASTME 96 Water vapor transmission.

ICBO AC29 Section 4.4.4.3 and 4.4.4.5 Hydrostatic
Pressure Test

ASTMC 836-95 Section 5.7 Hydrostatic
Crack Bridging Pressure Test

ASTME-162 Flame Spread Test

ASTMD 2665-1999 Color Fastness Of Surface Coating

ASTM D 3273-94 Resistance to Mold Growth of Surface
Coating

LIMITATIONS:

Do not let product freeze. Store indoors at temperatures above 32 degrees Fahrenheit. The temperature must be 28 degrees Fahrenheit and rising before application.

Do not dilute DECO P S C. Do not apply DECO P S C when the threat of rain is imminent.

Use caution when applying on windy conditions.

KEEP OUT OF REACH OF CHILDREN

INSTALLATION:

Preparation:

Prior cleaning may be required to dislodge all loose material.

Remove all efflorescence, dirt, grease, oils and other foreign material from the surface which is to be coated. Repair all structural deficiencies.

Installation:

NOTE: Always perform a job site test to insure desired results.

Application of DECO P S C:

Apply DECO P S C without dilution. Thickness of application will be determined by porosity, density and stability of substrate to be treated.

WARRANTY:

DECO P S C is warranted to perform as specified for a period of not less than one year from date of Certificate of Occupancy. DECO Products, Inc. warrants its product to be good quality and will replace or refund the purchase price of any products proved defective. It is the responsibility of the buyer to determine that this product meets their needs and to apply it properly. The application of DECO P S C requires that the installer be skilled in achieving results from applying this product. Satisfactory results depend not only upon quality product, but also upon many factors beyond DECO Products, Inc.'s control. DECO Products, Inc. makes no warranty or guarantee, expressed or implied, including warranty of fitness or merchantability, respecting its products. DECO Products, Inc. shall have no other liability with respect thereto. Guarantee of this product, DECO P S C, when used according to directions, is limited to refund of purchase price or replacement of the product, if it is proved defective. DECO Products, Inc. will not be liable for cost of labor, direct or incidental consequential damages.

Other Warranties May Apply**TECHNICAL SERVICES:**

Technical advice furnished by DECO Products, Inc., concerning any use or application of DECO P S C is reliable as current technology allows. DECO Products, Inc. makes no warranty, expressed or implied, of any use of application for which such advice is furnished.

DECO P S C Protective Surface Coating

DECO Products, Inc. 7900 E. 40th Ave Denver, Colorado 80207 PH 800-500-3326 Fax 303-316-9371

CLIENT: Dean Enterprises, Inc.
7900 E. 40th Ave.
Denver, CO 80207

Attn: Patrick Dean

Test Report No: 177954-9	Date: August 15, 2003
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SUBJECT: ASTM E-162 Flame Spread Test

SAMPLE ID: Samples of "Case # 115500" waterproofing coating material received from the client on 6/02/03. The samples were received in good condition.

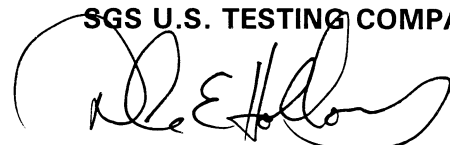
PROCEDURE: The material was tested for surface flammability in accordance with ASTM E162-02. The material was applied to mineral board at a thickness of 30 mils wet. No revisions to this report will be allowed after 90 days of the report date.

RESULTS: On the following page.

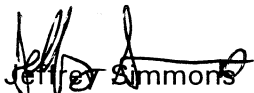
TEST DATE: 7/16/03

CERTIFICATION: The tests reported here were conducted under the continuous direct supervision of SGS U.S. Testing Company Inc., Tulsa, OK.

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.**



Dale E. Holloway
Branch Manager Laboratory Operations



bk Jeffrey Simmons
Manager Laboratory Operations

Test Procedure and Results

Sample Number	Flame Spread Factor, F_s	Heat Evolution Factor, Q	Flame Spread Index, I_s
1	0.0	0.0	DNB
2	0.0	0.0	DNB
3	0.0	0.0	DNB
4	0.0	0.0	DNB
Average	0.0	0.0	DNB*

*DNB = Did Not Burn

Observations: The test samples did not burn so a flame spread index (I_s) could not be calculated.

End of Report

MATERIAL SAFETY DATA SHEET

SECTION I		INFORMATION & EMERGENCY PHONE:1-303-316-4820
TRADE NAME:	DECO PROTECTIVE SURFACE COATING (DECO PSC)	
CHEMICAL NAME:	HYBRID ACRYLIC BLEND	
MANUFACTURER'S NAME:	DEAN ENTERPRISES, INC.	
ADDRESS:	7900 E. 40 TH AVE.	
STATE:	DENVER, COLORADO 80207	

SECTION II - INGREDIENT INFORMATION		
COMPONENTS / OEL	CAS #	WEIGHT %
TITANIUM DIOXIDE OSHA PEL: (TWA) 15 MG/M3, ACGIH TVL: (TWA) 10 MG/M3	13463-67-7	5 - <10
CALCIUM CARBONATE APPLICABLE FOR SANDING AND GRINDING ACGIH TLV: AS DUST, 10 (<1% SILICA) OSHA PEL: TOTAL DUST 15 ; RESIRABLE DUST, 5	1317-65-3	5 - <10
CRYSTALLINE SILICA-QUARTZ (CARICINOGEN AS DUST) ACGIH TWA: .1 MG/M3 AS RESPIRABLE DUST-CARCINOGEN IF GROUND OR SANDED	124-68-5	.1- <5

SECTION III - PHYSICAL DATA	
BOILING RANGE: 175F – 270F	SPECIFIC GRAVITY (Water = 1): 1.3+/- .5
VAPOR DENSITY (Air = 1): Heavier than air	EVAPORATION RATE : Slower then ether
SOLUBILITY IN WATER: Soluble	ODOR: characteristic of latex waterborne systems
APPERANCE: Smooth, opaque, white viscous liquid	VOC: MAX= <100 g/l

SECTION IV - FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT: N/A	UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode or burst (due to build-up of steam pressure) when exposed to extreme heat. Use Foam, alcohol foam, co2, dry chemical, water fog under these conditions. SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode.
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A UPPER: N/A	
NFPA Rating: Health-1; Flam-0; React-0; Spec. Haz.- n/a	

SECTION V - REACTIVITY DATA	
INSTABILITY: Stable	
CONDITIONS TO AVOID: Avoid contact with strong alkalis, strong mineral acids, or strong oxididizing agents.	
HAZARDOUS DECOMPOSITION: Burning will produce smoke, carbon monoxide and carbon dioxide.	
INCOMPATIBILITY MATERIALS: None known	
HAZARDOUS POLYMERIZATION: Will not occur	

SECTION VI- HEALTH HAZARD INFORMATION

SYMPTOMS / AFFECTS OF OVER EXPOSURE

SKIN: slight irritation

EYES: slight irritation

INHALATION: Vapor or mist can cause headache, nausea, and irritation of the nose, throat and lungs. Product contains crystalline silica which is classified as a human carcinogen. Long term exposure to dust from sanding surfaces or mist from spray applications may lead to a disabling lung condition known as silicosis. The risk depends on duration and level of exposure. Use of appropriate personal protective equipment and/or engineering controls should be employed whenever these types of operations are being performed.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARD: ### (cancer warning): Calif. Proposition 65: This product contains chemicals known to the State of California to cause cancer. ### Product contains crystalline silica. International Agency of Cancer Research believes there is sufficient evidence that if crystalline silica is inhaled in form of quartz or cristobalite from occupational sources that it is a human carcinogen.

FIRST AID

EYES: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

SKIN: Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

INHALATION: If breathed; if affected, remove individual to fresh air, if necessary, apply oxygen and or artificial respiration and get medical attention.

INGESTION: If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person. Do not induce vomiting.

HMIS CODES: H-1*; F-0; R-0; P-G

SECTION VII - PRECAUTIONS for SAFE HANDLING and USE

STORAGE INFORMATION:

Keep from freezing. The minimum recommended storage temperature for this material is 1C/34F. The maximum recommended storage temperature for this material is 49C/120F.

PROCEDURE for SPILLS:

Have adequate ventilation - soak up with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and bodies of water.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Local, State and Federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY: If applied by spraying, use appropriate, properly fitted NIOSH/MSHA –approved respirator. Refer to OSHA 29 CFR 1910.134 “respirator protection”

EYE WEAR: Safety goggles or glasses to guard against splashes

GLOVES: Wear rubber gloves

VENTILATION: Provide sufficient (general or local) exhaust Ventilation to maintain exposure below the lowest stated TLV

OTHER PRECAUTIONS: WARNING! Grinding or abrading of dried product may release detectable amounts of hazardous respirable dust.

We believe that the information contained in this MSDS sheet is accurate. However, because this material can be used under conditions over which we have no control, we give no warranty, expressed or implied as to the accuracy of the information and assume no responsibility for damage to person, property, or business arising from its use. 11/04