

CARE INFO FOR LIVOS WALL COVERING

SISAL WALLCOVERING

Brand:	Curran & sisalcarpet.com
Product:	No-Flame Sisal Wallcovering
Construction:	Woven, Boucle method
Yarn:	100% natural sisal fibers
Backing:	None
Pile Height:	1/4"
Minimum Weight:	5.5 oz per sq ft
Roll Width:	13 ft
Roll Length:	50 ft
Fiber Flame retardant:	natural borax
Number of standard colorways:	12 (natural brown tones, blues, greens, grays, mauves)

SISAL ADHESIVE

Brand:	#1-422
Product:	Sisal Adhesive
Building Fire Code (BOCA, UBC, IBC):	Required as system component with DMI sisal wallcovering
Container Size:	3.5 gal
Application:	Trowel-On with 3/16" x 5/32" V-notch or 1/4" x 1/4" for maximum application rate.
Flammability:	non-flammable, flame retardant additives
Anti-Microbial additive:	ASTM G-21 rated 0 (no growth)
VOC:	rating of 0 (calculated)
Description:	solvent free, white latex based adhesive
Base:	synthetic acrylic polymer
Solvent:	water
Open time:	20-30 minutes in climate controlled buildings
Spread Rate:	60 sq ft gal (smooth surfaces)
Shelf Life:	1 year
Limitations:	do not subject to temperatures below +10 degF. If frozen, warm to at least 70 degF and stir before using. For interior use only

LEED SUSTAINABLE PROJECTS | CONTRIBUTING TO LEED CREDITS

RAPIDLY RENEWABLE MATERIALS: NATURAL SISAL | CREDIT 6

Sisal wallcovering is woven 100% of natural sisal fiber. This fiber is extracted from leaves of the henequen and sisalana agave plant, which is grown for its annual harvest of fiber. Once the plant reaches maximum maturity and stop producing after 10 to 12 years, new replacement plants grow to early maturity in 3 to 4 years.

LOW EMITTING MATERIALS: (WALL) CARPET | CREDIT 4.3

Testing: Professional Testing Laboratory Inc., Dalton GA Test Result: No evidence of exceeding industry guidelines for; total VOC level tolerances, 4 PC (phenelcyclohexene) level, formaldehyde level, styrene level. 100% natural fiber characteristic/natural borax fire retardant

LOW-EMITTING MATERIALS: ADHESIVES | CREDIT 4.1

Does not exceed The South Coast Air Quality maximum for Propylene Glycol (used as a moistureizer). Rated at 32 grams per liter, standard maximum is 50 grams. No other VOC ingredient is in the adhesive formula

FIRE RESISTANCE

Test 1

Passes Full Scale Room Corner Test as established by NFPA (National Fire Protection Association) Life Safety Code. Carpet and carpet-like wall coverings (textiles, woven, nonwoven, napped, tufted, looped, or similar surface) for use in areas without automatic fire sprinklers.

Test meets requirement of National Building Codes: UBC 8-2 , BOCA 803.6 , IBC 803.5, SBCC

Testing: Southwest Research Institute, Department of Fire Technology, San Antonio Texas

Test Procedure: Wallcovering may be judged to perform satisfactorily when tested according to the fully-lined test procedure and meeting the following criteria: (1) Flames shall not spread to the ceiling during the 40-kw exposure (2) During the 150-kW exposure; flames shall not spread to the outer extremity of the sample on the 8 x 12-ft walls. Flashover shall not occur. Flashover shall be judged to have occurred when the heat flux at floor level exceeds 20 kW/m², average upper level air temperatures exceed 1,100 degree F, or flames project out the door opening.

Test Findings: (1) The flames did not reach the ceiling during the 40-kW exposure (2) During the 150-kW exposure, flashover did not occur. The maximum average upper-level temperature was 858 degF, the maximum heat flux at floor level was 3.49 kW/m². The flames did not project out the room door opening or to the outer extremities of the 8 x 12 ft walls.

Test Conclusions: Based on the findings listed above, the 100% natural sisal fiber, flame retardant treated wallcovering without backing, identified as No-Flame Sisal Wallcovering, meets the acceptance criteria as specified for the fully-lined protocol, when tested adhered to unprimed 0.5 inch thick Type X gypsum wallboard with Sisal Adhesive #1-422.

Test 2

ASTM E84 Class A Flame Spread and Smoke Contribution. Standard test method for surface burning characteristics of building materials.

Testing: Commercial Testing Company, Dalton Georgia

Test Conclusions: Flame Spread Index 20 , Smoke Density 0

CLEANING & REGULAR MAINTENANCE

Sisal wall covering is resistant to scuffing marks and dirt prints caused by hand or shoe contact. Since it is non-static, natural fiber, dirt and dust are not attracted to it. The heavy texture makes it an undesirable writing surface for ballpoint pens. The durable resilient fiber does not tear or rip when furniture or carts are pushed into the wall.

Periodic vacuuming in some buildings may be required to remove dust buildup near air ducts. Clean in these areas as you would when vacuuming upholstery.

Sisal Guard fiber sealant can be spot applied in areas that are susceptible to constant oily hand contact. Examples of such areas are near furniture settings, doorway openings, electrical switch plate areas, elevators and its lobbies, and where people regularly lean against the wall.

The Sisal Guard will not discolor the sisal and can be used repetitively. When wet mopping or shampooing the floor, keep water splashes off the sisal wall covering. Dirty water will leave a mark.

ADHESIVE REMOVAL:

Do not attempt to wipe off, diluted adhesive will absorb into wallcovering, leaving a stain. Remove excess adhesive with flat blade tool without pressing into wallcovering-scrape dried adhesive 24 hours later.

SPOT REMOVAL

- Do not saturate with water and detergent soap
- Use Sisal Care fiber cleaner or Use a foam aerosol cleaner (dry cleaner) such as used on upholstery
- A stiff bristle brush can be used with these cleaners without harming the wall covering
- Scrape dried food spots with a dull knife, it will not harm the wall covering

STAIN REMOVAL

- Permanent stains caused by asphalt, paint, shoe polish, color chalk, cosmetics, oil-based markers
- Dampen a clean white towel with a small amount of cleaning solvent to break down the stain. Blot up the stain working toward the center, dry the area quickly. Some stains may not be able to remove entirely.

MOLD & MILDEW

ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber

Final ASTM Rating: 8

Testing: Environ Laboratories, Minneapolis Minnesota

Purpose: Testing to provide a basis of comparative performance results under controlled lab conditions.

VOC of Antimicrobial Additives: sisal wallcovering : no additives utilized sisal adhesive #1-422: 0 VOC

Comparisons: Standard untreated gypsum wallboard and ceiling tile rating is 0 (heavy to disfigurement mold growth, when treated with antimicrobial additives, gypsum wallboard typical industry rating is 8 ASTM E1797-04 Standard Specification for Reinforced Liquid Coating Encapsulation Products for Lead Paint in Buildings

Minimum performance requirement for interior lead paint encapsulant: 8

DURABILITY

Abrasion Resistance of Wallcovering

ASTM F793-93 Standard Classification of Wallcovering by Durability Characteristics

This test covers the classification of wallcovering by durability characteristics, that is, according to its serviceability in use, recognizing that certain wallcovering is designed primarily for decorative effect, while other wallcovering is also designed to achieve a high degree of serviceability.

ASTM Rating: Class 1, full commercial serviceability

Tear Resistance of Cloth

ASTM D2261-96 Standard Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)

This test method covers the measurement of the tearing strength of textile fabrics by the tongue (single rip) procedure using a recording constant rate-of-extension-type (CRE) tensile testing machine.

ASTM Rating: warp 139 / fill 176

ACOUSTIC

ASTM C423-00 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method

Testing: Riverbank Acoustical Laboratories, Geneva Illinois

Final Report: RAL A86-286

Test Mounting type B (direct to test surface). Used to determine minimum NRC rating of the sisal wallcovering. **Results: NRC: .15**

Improved NRC ratings occur with actual installation of sisal wallcovering to gypsum wallboard, plywood, furred walls, acoustic panels

MSDS

1) No MSDS for sisal wallcovering, product is 100% natural with no hazardous additives

2) MSDS Sisal Adhesive 1-422

Section 1-Product Identification

Manufacturing: Capitol Adhesives, Dalton GA

Telephone: 1-800-831-8381

Product Class: Latex based flooring adhesive

Product Identity: Sisal #1-422, No-Flame

Section II-Hazardous Components

None per OSHA regulation 29CFR1910.1200

None per SARA Title III section 313 and TSCA 40 CRF 372

Section III-Physical Data

Initial boiling point: 212 degF

Vapor pressure: same as water

Specific gravity: 1.37

Percent Volatiles: 25%

G/L VOC: 0 calculated

Section IV-Fire and Explosion Data

Flash point: N/A

Explosive limit: N/A

Extinguishing media: N/A

Unusual fire fighting procedure: None

Special fire fighting procedure: None

Section V-Health Hazard Data

Symptoms of over exposure:

Inhalation: None known

Eyes: Possibly mild irritation

Skin: None known

Ingestion: Possible G.I. blockage

First Aid: Skin-soap and water, Eyes-flush with water,

Inhalation-remove to fresh air if necessary

Section VI-Reactivity Data

Stability: Stable

Incompatibility: None

Hazardous Decomposition: None

Hazardous Polymerization: None

Conditions to Avoid: None Known

Section VII-Spill or Leak Procedures

Absorb and solidify with sawdust or vermiculite.

Solidified materials accepted for landfill disposal in most locations.

Section VIII-Protective Equipment

No safety equipment required other than goggles

Section IX-Special Precautions

Protect from freezing

Keep out of reach of children