

JAXSAN COATINGS

INDUSTRIAL AND COMMERCIAL



ACHIEVEMENT THROUGH ADVANCED COATINGS TECHNOLOGY

**MANUFACTURED BY
PLASTIC COATINGS CORPORATION
SINCE 1958**

**CONTACT OUR OFFICE TOLL FREE
1-800-279-9151**

JAXSAN 602

JAXSAN 602 ELASTOMERIC COATING

JAXSAN 602 is an acrylic, elastomeric coating for use over surfaces requiring a United States Department of Agriculture acceptance for incidental food contact.

- **ELASTOMERIC!**
- **EXCELLENT ADHESION!**
- **EXCELLENT WASHABILITY!**
- **LOW TEMPERATURE FLEXIBILITY!**
- **LOW V.O.C. — WATER THINNABLE!**

Jaxsan 602 is acceptable by the U.S.D.A. for use over thermal insulation, walls, ceilings, and primed structural materials for incidental food contact. It is a liquid applied, elastomeric coating designed for waterproofing interior and exterior surfaces. It is durable enough to withstand years of rigorous washdown procedures associated with food processing facilities. The elastomeric and resilient qualities of Jaxsan 602 make it a highly chip and crack resistant finish. Adhesion to properly cleaned and prepared surfaces and existing coatings is tenacious.

Jaxsan 602 is reinforced with synthetic fibers to enhance physical toughness, reduce sagging on sidewalls and ceilings, improve mudcrack resistance and increase the amount of coating that may be applied in one coat, without encountering problems with drying or sagging.

Achievement Through
Advanced Coatings Technology

Plastic Coatings Corporation
Scott Depot, WV

JAXSAN 602

Typical Properties

Color:	Bright white
Polymer type:	Acrylic elastomeric
Fiber type:	Synthetic, non-hazardous
Solids content:	
Volume:	55%
Weight:	68%
Moisture vapor transmission:	Breather
ASTM E-96B	8.5 U.S. perms
	2.5 grams/hr./sq. meter
Service temperature limits:	-25 to 200 F.
Mildrew resistance:	Excellent
Washability:	Excellent
Flammability:	
Wet:	Non-Flammable
Dry: ASTM E-84	Flame spread = 5
	Smoke contribution = 10
V.O.C.	<100 grams/gallon
Drying Time, Interior: Approximately 3 hours to touch when 70 degrees F. and humidity is 70% (45 wet mils). Lower temperatures and or higher humidities will significantly increase drying times. Dry time estimates on a 40 degree F. temp. will be 15 to 24 hours. Dry times are best in temps. above 65 degrees.	

Application Guide

Apply at a rate of 33 square feet per gallon to achieve a 25 mil minimum dry film thickness (theoretical D.F.T. is 26.5). Always stir material well before using. Do not store in areas where temperature may drop below freezing. Jaxsan 602 will freeze at 32 degrees F. For best results apply by airless spray or by brush (see spray equipment guide). When applying over polyurethane foam insulation, see Jaxsan 600 publication for sprayed polyurethane foam.

HAZARDOUS MATERIAL INFORMATION SYSTEM RATING

Health	0	Reactivity	0
Flammability	0	Personal Protection	B

PRECAUTIONS! Avoid prolonged and repeated contact with skin. Do not take internally. For interior applications, good ventilation is necessary. Eye protection when applying coating is recommended. If Jaxsan 602 comes into contact with eye, rinse thoroughly with clean water for at least 15 minutes. See MSDS. This material is for use by qualified personnel only, instruction in safe material use, handling and application is strongly recommended.

Plastic Coatings Corporation
Scott Depot, West Virginia

(304) 755-9151
(304) 755-0229 FAX

JAXSAN 602

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PLASTIC COATINGS CORPORATION

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

Product Name: **JAXSAN 602**

Date of Preparation: 06/01/2006

Manufacturer: Plastic Coatings Corporation

Manufacturing Address: 4904 Teays Valley Rd., Scott Depot, WV 25560

Mailing Address: P.O. Box 1068, St. Albans, WV 25177

Telephone: (304) 755-9151 FAX: (304) 755-0229

Emergency Telephone:

(304) 344-9218

Product Class: Acrylic latex elastomeric paint/ insulation sealant

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATING

Health: 1
toxic: B

Flammability: 0

Reactivity: 0

Personal Protec-

SECTION II

HAZARDOUS INGREDIENTS

INGREDIENT
PATIONAL EXPOSURE LIMITS

CAS. NUMBER

WT. %

OCCU-

TLV PEL

Jaxsan 602 does not contain reportable or significant amounts of hazardous materials as defined in 40 CFR part 300 or 219 CFR 1293.1200.

PRINCIPAL INGREDIENTS:

Acrylic latex

None Established

Water

7732-18-5

None Es-

tablished

Alumina trihydrate

21645-51-2

None Established

Magnesium silicate

14907-96-6

None Es-

tablished

Titanium dioxide

13463-67-7

None Established

Volatile Organic Contents (VOC) as packaged minus water: 0.04 lb./gal. (5 gm./l.)

SECTION III PHYSICAL DATA

Boiling point: 212 degrees F.

Weight per gallon: 11.5

pounds

Evaporation rate: Same as water

Percent volatile by volume: 45

Vapor density: Lighter than air

pH: 8-9.5

Typical appearance: White heavy bodied paint/mastic paste.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability: Non-flammable when wet. Dry film is self-extinguishing.

Flash Point: Non-flammable when wet.

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SECTION V HEALTH HAZARD DATA

-----**Effects of overexposure:** None known

Conditions to avoid: Do not ingest. Contains no heavy metals or significant amounts of toxic or significant

Amounts of toxic or hazardous materials or repeated or prolonged contact with emulsion may cause mild

Skin irritation. Wash with soap and water, flush,

Primary routes of entry: Ingestion, inhalation, and eyes. May cause mild irritation to eyes, mucus membranes and respiratory tract in poorly ventilated areas. Direct contact with eyes will cause irritation.

Emergency first aid procedures: May be harmful if swallowed in quantity. See physician immediately. If in contact with eyes, flush well with copious quantities of water. Avoid rubbing eyes. See physician immediately. If respiratory irritation occurs, remove person to well ventilated area.

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SECTION VI REACTIVITY DATA

-----**Stability:** Stable

Conditions or materials to avoid: None known

Hazardous decomposition products: Combustion may produce carbon dioxide and carbon monoxide.

Hazardous polymerization: Will not occur.

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SECTION VII SPILL PROCEDURES

Steps to be taken if material is spilled: Place material in water-resistant container. up Clean residual before it dries with soap and water.

Waste disposal: Dispose of waste in accordance with local, state and federal regulations and requirements for latex paint.

Organizations to be notified in event of spill: Consult state and local authorities.

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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory protection: Wear particulate matter mask when spraying or when in close proximity to spray area.

Ventilation: Adequate for material to dry.

Eye protection: Wear goggles or wrap-around eyewear.

Other protective equipment: Water resistant gloves.

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SECTION IX SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Store above 32 degrees F.. Material is permanently damaged

by freezing. Protect from moisture until dry. No other special precautions are necessary to provide for safe use

and storage of this product.

JAXXAN 60N



United States
Department of
Agriculture

Food Safety
and Inspection
Service

Washington, D.C.
20250

October 26, 1990

Plastic Coatings Corp.
P.O. Box 1068
Saint Albans, WV 25177-1068

Gentlemen:

Jaxsan 602 Bright White is acceptable as a Waterproof Coating over Thermal Insulation having incidental food contact in federally inspected meat and poultry plants as long as the chemical composition remains as submitted to USDA on July 1, 1990. This acceptance is based on a review of the chemical constituents against appropriate FDA or USDA regulations or guidelines and the physical surface characteristics. Any change in formulation, label text, product or company name and address change without prior USDA acceptance renders this letter void. This does not constitute a USDA endorsement of the performance of this product.

Where food adulterating vapors may be generated during the preparation of installation of this product, all unprotected food and packaging materials must be moved out of the affected area. Before food and packaging materials may be returned to the area where the material has been used, the area must be sufficiently free of odor to prevent contamination of the food.

Any unacceptable condition resulting from improper installation or maintenance will be cause for the inspector to require correction.

If assistance would be useful in making this decision, call Ron Anderson, Facilities, Equipment and Sanitation Division at Area Code (202) 447-5627.

Sincerely,

Ronald W. Anderson, P. E.
Mechanical Engineer
Facilities, Equipment and
Sanitation Division
Science and Technology

JAXSAN 602

Jaxsan 602

- *Elastomeric*
- *Excellent Adhesion*
- *Easily Washable*
- *Low Temperature Flexibility*
- *Low V.O.C. Water thinnable*

Plastic Coatings Corporation

Manufacturers of Jaxsan Paints and Coatings

Are your in-plant ceilings or walls peeling, rusting, flaking or cracking? This causes time consuming and expensive maintenance issues. Plastic Coatings Corporation has a quality solution that will save you time and money.

Toll Free : 800.279.9151

Email: jaxsan@frontier.com

P.O. Box 1068

St. Albans WV 25177

<http://jaxsancoatings.com/>

We manufacture USDA approved elastomeric coatings. These coatings can be very inexpensively sprayed over your existing interior surfaces providing a new, durable and washable surface.

We have a network of contractors who can resurface up to 15,000 square feet of walls and ceilings during a weekend.

If you would like more information or the name of a contractor in your area, please do not hesitate to contact our office. The toll free number is 1-800-279-9151.



This wall, inside a food processing plant, is coated in Jaxsan 602 and Jaxsan AG-102.

Guidelines for Applying Jaxsan 602 on Concrete Walls

General Scope of project: The best application of materials is accomplished when there is an understanding of the project and the basic reasoning behind the project. The United States Department of Agriculture requires that concrete and or cementitious surfaces that may have incidental contact with meat, poultry or their byproducts are protected by a cleanable surface.

The object of this document is to provide a general guideline to the application of Jaxsan 602 to concrete walls. Properly applied, Jaxsan 602 provides a thick layer of coating that adheres tightly to the surface and will not crack or chip. It stands up to daily pressure washing at high water temperatures without damage. Jaxsan 602 is an elastomeric coating which means it is able to stretch at least 150% and return to original dimensions without damage. It is formulated in accordance to U.S.D.A. guidelines. Jaxsan 602, the coating and the formula, was approved by the U.S.D.A. in 1990 for use in areas where incidental food contact is possible.

When considering Jaxsan 602 as a sealant for your concrete walls, it is a good practice to apply a sample area or patch to the wall to test adhesion and drying conditions.

Make any repairs to the concrete that requires application of cementitious materials such as concrete or concrete related materials at least 10 days before beginning a coating project. The pH of freshly patched concrete is about 13 and may be too high for a successful coating project. The pH will drop to 11 in about a week to 10 days.

Preparing the surface: The concrete surface must be clean before a coating may be applied successfully. Pressure washing is *strongly* recommended. If there is a presence of animal fats on or in the concrete, then a cleaning solution must be used to remove the fats *before* pressure washing. Pressure washing alone may not remove embedded oils, fats or contaminants. A material used successfully to clean fats and other contaminants from block and concrete walls is Bio-solve, a nationally available cleaning material. Use as directed on the container. Rinse the cleaning material completely from the wall. Cleaning materials may act as surface contaminants if not completely rinsed from the concrete.

Priming the surface: The porosity of the wall dictates the next step in determining if a primer is necessary before coating the concrete. Raw or uncoated concrete walls will need a primer only if the surface is very smooth. Poured panel wall construction may require an adhesion boosting primer. A test patch of Jaxsan 602 over the surface in question should be used to determine if the adhesion is adequate over most surfaces. If a primer is necessary, apply Jaxsan 1400 primer over the clean concrete surface at a rate of 300 square feet per gallon to achieve a dry film thickness of 1.5 dry mils. The primer is intended as a penetrating primer and the amount necessary to achieve the 1.5 dry mils will vary with each surface. If the primer does not wet and penetrate the surface well, the adhesion of the primer to the concrete will suffer. A damp surface will encourage penetration of a 1400 primer more than a dry surface. Concrete will absorb Jaxsan 1400 primer at a rate of 20% to 80%. The absorption rate depends upon the porosity of the concrete. A cracked, crazed or uncharacteristically porous surface will require more primer than a smooth surface. Be sure to consider absorption rates when ordering primer.

Guidelines for Applying Jaxsan 602 on Concrete Walls

Allow the primer to dry well before applying any Jaxsan 602. The drying time of the primer will vary due to the relative humidity in the room being treated. Recoat times will vary from 2 hours to over 12 hours if the humidity is very high.

Prime any rusted or oxidized steel, iron or similar metal with Jaxsan 1500 primer. Follow the instructions on the label and the product literature. The dry film thickness of the primer should be 2.5 dry film mils to assure long term protection from corrosion. Aluminum and galvanized surfaces should be primed with Jaxsan 1400 primer or AG-102.

Caulking: At the junction of the wall and the floor, apply a sealing bead of moisture curable urethane caulk to the gap found there. Do the same to the ceiling gap. Moisture curable urethane is recommended because of its rapid cure in damp conditions. The resulting seal should not allow moisture to penetrate at the junction. Caulking should be done after the cleaning and priming and before the application of Jaxsan 602 to the wall.

Apply Jaxsan 602: With the proper application equipment, apply Jaxsan 602 to a dry surface to achieve a 25 to 30 mil film thickness. Spray applications require airless spray equipment sufficient to spray fibered acrylic coating. A 30:1 ration pump or larger is satisfactory. A mastic spray gun is recommended. See product literature for more detailed information.

Uncoated concrete may be damp although it should not be wet or holding water on the surface or within the wall. A damp concrete surface is preferable to a dry surface allowing better surface wetting of the coating to the concrete.

While 46 to 54 mils of wet coating (25 to 30 dry mils) can be sprayed in one coat on a wall, two coat applications are generally better than one-coat applications. They are more likely to be uniform in thickness and there is a lower chance of sags or runs. Dry time is a consideration because two coats will cure faster than one coat twice the thickness. Be sure to wait until the first coat is dry to touch before applying the second coat.

The time for each coat to dry will be affected by the relative humidity and temperature in the room during application. This is because moisture from the coating must evaporate into the air for the coating to dry. If the moisture content of the air is high, above 80%, the moisture will move more slowly into the air. Dehumidifiers will speed the dry and cure of the coating. The temperature of the air will also affect the evaporation rate of the water from the coating. Room temperature ranging from 50 degrees Fahrenheit to 80 degrees F. are preferred.

The contractor: It is the responsibility of the application contractor to manage the timing and the events involved with this application. It is also the responsibility of the applicator to maintain a clean job site and remove all empty containers from the site.

Cleaning the newly coated wall: Do not pressure wash the freshly coated for 24 hours after the application of the coating. The coating may not be cured well enough to withstand pressure washing for the first 24 hours after application. This is particularly true of coating that was applied under adverse drying conditions or in one coat applications. Be sure that the Jaxsan 602 has dried thoroughly before pressure washing or washing the coated wall.

JAXSAN 602

GENERAL GUIDELINES FOR USE OF JAXSAN 602 OVER INTERIOR WALL SHEET GOODS

General Scope of Project: This guideline is intended to provide information that will help the installer and or applicator achieve a sound application of Jaxsan 602 sealant over interior board stock typically used to provide a skin to walls.

The best interior wall panel sheet goods are the ones that have the most integrity in moist conditions and will not transmit or conduct water. Cement based sheet goods are the best because they are least affected by water. Worst is gypsum board because it will distort and weaken when exposed to moist conditions and water. Plywood is somewhere in between. It will absorb water and will support mildew. It has its own problems. Denshield materials (cement based boards) are the best for that type of installation and are recommended for new installation. Seal the edges and corners as recommended by the manufacturer with a good quality polymer fortified thin set mortar composition.

The base of the sheet should be cut short of the floor and the gap separating the sheet and the floor filled with thin set cement to avoid water wicking up board. The gap should be about $\frac{1}{2}$ to $\frac{3}{4}$ inch and the thin set cement sealer is meant to be a moisture barrier to the board. The gap when finished should be smooth and blend in with the rest of the board in profile. Fiberglass mesh may be used as a backing for the gap to hold the thin set mortar and finished as a joint.

Priming The Surface: Prime the wall with 1400 primer when the thin set has cured. This is done to improve the integrity of the surface layer of the board and create a better bond between the soon to be applied Jaxsan 602 and the cement board stock, Denshield. Apply the primer at 150 to 200 square feet per gallon and allow to the primer to penetrate and dry.

Application of JAXSAN 602: Apply Jaxsan 602 at a rate of 4.0 gallons per 100 square feet to achieve a thickness of 30 dry mils. Theoretical thickness for 4.0 gallons per 100 square feet is 35 dry mils and 30 mils is the recommended thickness of the finished product. If waste, surface profile, overspray or any other influences cause the application to be less than 30 dry mils, correct the situation to be 30 dry mils.

Jaxsan 602 dries by evaporation of water from the applied coating. High humidity in the application area will cause the coating to dry slowly, low humidity 50% and lower will cause the coating to dry and cure faster. Because the drying conditions will vary depending upon each individual facility, it is the responsibility of the contractor and the facility management to reach an understanding that the conditions of drying are variable and that the coating must be protected from water and allowed to dry before it is washed or exposed to water.

Before



AFTER

Jaxsan 602

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