



ELASTO-DECK 5001 NON GASSING ELASTOMERIC POLYURETHANE COATING NON-GASSING A BREAKTHROUGH IN URETHANE CHEMISTRY

1. PRODUCT NAME

ELASTO-DECK 5001 NON-GASSING

All surfaces must be completely free of foreign matter and primed with **ELASTO-POXY PRIMER (VOC or W.B.)**, where necessary.

2. MANUFACTURER

ITW POLYMERS SEALANTS NORTH AMERICA

12271 Monarch Street
Garden Grove, CA 92841
Tel: 1-800-888-8340
Fax: 714-898-5687

Color and Sizes: Concrete Grey 1-gallon and 5-gallon
Tan 5-gallon pails only

Note: 55-gallon drums can be packaged upon request.

3. PRODUCT DESCRIPTION

Composition: Liquid-applied, non-gassing, single-component, aromatic, moisture-cured, polyurethane waterproofing membrane.

Basic Uses: The **ELASTO-DECK 5001 NON-GASSING** is a waterproofing membrane used with the **ELASTO-DECK 5000 W.D.A.**, **ELASTO-DECK 5000 X2**, **ELASTO-DECK 5000 T.C.**, and **ELASTO-DECK 5000 M.R.** systems. **ELASTO-DECK 5001 NON-GASSING** may be used to fill minor cracks in concrete, except for expansion joints where the **ELASTO-THANE 227/227R** or **SM7108**, a single component polyurethane sealant manufactured by **ITW POLYMERS SEALANTS NORTH AMERICA** is recommended.

The product is recommended for applications which require surface waterproofing, where bitumen extended polyurethane would not be suitable. It must be coated with **ELASTO-GLAZE 6001AL-HT** to achieve UV stability.

Limitations: All materials shall be delivered to the jobsite in unopened containers clearly marked and labeled. Containers that have been opened must be used up within one or two days since it is a moisture-reactive material. It will start to set up when exposed to air. Since the product is moisture sensitive, it is possible a soft skin may develop in the container.

WARNINGS AND HAZARDS:

Before using the products, always refer to MSDS for important warnings and safety information. Use only in areas with adequate ventilation. Avoid breathing vapors. Keep away from heat and flame. Avoid contact with eyes and skin. In the event of skin contact, remove immediately and wash with warm, soapy water. Wear suitable eye protection. Always wash hands before eating. **KEEP AWAY FROM CHILDREN and pets.**

4. TECHNICAL DATA

(See chart on reverse side)

5. INSTALLATION

Surface Preparation: All surfaces which are to be coated with **ELASTO-DECK 5001 NON-GASSING** must be free of contamination such as curing compounds, concrete hardeners, bond breakers, paint, etc. All surfaces must be dry, having a maximum water content of 20%. Water-curing concrete is recommended instead of using concrete curing compounds. An adhesion test must be performed if the concrete is cured with a curing agent. Membrane type curing compounds must be removed prior to application of Elasto-Deck systems. Concrete surfaces should be cleaned by grinding, bead blasting or acid etching. Allow a minimum drying time of 72 hours. Except for non-moving shrinkage cracks and joints must be sealed with **SM7108**, a single component, moisture-cured sealant or **ELASTO-THANE 227/227R** Polyurethane

ITW Polymers Sealants

North America

2271 Monarch Street, Garden Grove, CA 92841 714.898.0025 Fax: 714.898.5687

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sealant, manufactured by **ITW POLYMER SEALANTS NORTH AMERICA.**

All surfaces, except for plywood in good condition, must be primed.

For concrete substrates use **ELASTO-POXY PRIMER (VOC or W.B.)**

Metal/Metal Flashing: Prime with **ELASTO-POXY PRIMER VOC** prior to application.

All seams between plywood sheets and the transition from the metal flashing and the plywood deck must be reinforced by imbedding a strip of glass cloth tape in wet **ELASTO-DECK 5001 NON-GASSING**, which is brushed evenly over the seam to a width of the tape plus additional inch overlapping the tape and a thickness of about 20 mils (0.5 mm) wet. Minimum 3-inch tape must be used. The application of **ELASTO-DECK 5001 NON-GASSING** can subsequently be made immediately over the entire area, including the taped areas.

Application: ELASTO-DECK 5001 NON-GASSING is applied by notched squeegee followed by back-roll. **ELASTO-DECK 5001 NON-GASSING** can be sprayed. Airless spray equipment must have a minimum of 30 to 1 ratio.

Coverage Rate:

56 sq. ft. per gallon yields → 25 mil DFT

45 sq. ft. per gallon yields → 30 mil DFT.

ELASTO-DECK 5001 NON-GASSING has a unique Chemistry in that the cure time can be accelerated by merely adding water. Addition of 1 ounce per gallon (7.5 g/liter) will reduce the cure time between 3-4 hours at 77°F (25°C) and 50% R.H. Water must be thoroughly mixed in prior to application. Use jiffy mixing blade and slow speed drill to avoid aerating the pail. Over mixing can cause film defects.

6. AVAILABILITY AND COST

ELASTO-DECK 5001 NON-GASSING is supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made upon request.

These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer; those who choose to install these products without professional assistance do so at their own risk.

7. PRODUCT WARRANTY

Satisfactory results depend not only upon quality products but also upon factors beyond our control; methods of application and site conditions are examples of such factors and can affect product performance. This warranty consequently extends only to products installed in strict accordance with the manufacturer's specifications. It is the user's responsibility to satisfy himself, by his own information and tests, of the suitability of the product for his own intended use; user assumes all risk and liability resulting from his use of the product. The substrate to which the product is applied must be sound structurally and otherwise. Structural or substrate failures or imperfections resulting in damage to or failure of the product are not covered by this warranty. Since the use of the product is beyond the control of the manufacturer, the manufacturer assumes no liability for misapplication and misuse of the product.

This warranty does not cover consequential damages, nor does it cover the labor attendant to replacing product in the event of a product failure. The warranty only extends to replacement of the product itself.

All products proven to be defective in manufacture will be replaced at no charge. Since the use of these products is beyond our control we cannot accept damage in excess of the purchase price of these products.

8. MAINTENANCE

If **ELASTO-DECK 5001 NON-GASSING** is damaged, it can be repaired by cleaning the surface with Acetone and recoating it with **ELASTO-DECK 5001 NON-GASSING**.

9. TECHNICAL SERVICES

All of the latest updates to product data and specifications are available at www.pacpoly.com. Since product data and specifications change, it is the user's responsibility to make certain the most current versions of product data and specifications are being used.

Technical assistance can be obtained by contacting:

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4. TECHNICAL DATA – ELASTO-DECK 5001 NON GASSING

Property	Measuring Standard and Conditions	Results
Viscosity at 77°F (25°C)	Brookfield Viscometer (RVT)	60±10 poises
Weight Per Gallon		9.65 +/- 0.1 pounds
Solids Content	A.S.T.M. D-2369	92 +/- 2% by weight 88 +/- 2% by volume
VOC Content (grams per liter minus exempt solvent)	Calculated	100 g/l
Coverage Rate (56 sq. ft. per gallon)		25 mil DFT
Hardness Shore "A"	A.S.T.M. D-2240	50A – 55A
Tensile Strength (psi)	A.S.T.M. D-412	430 psi +/- 10%
Elongation (%)	A.S.T.M. D-412	700% +/- 10%
Peel Strength on Plywood	A.S.T.M. D-903	14 pli (no peel cohesive failure)
Water Absorption	A.S.T.M. D-570	< 3.5% by weight
Temperature Service Range		-50° F to +200° F -45°C to +93.3°C
Moisture Vapor Transmission	A.S.T.M. E96	1.5 perms ± 0.4
Tear Resistance	A.S.T.M. D 624	58 lb/in
Bond-strength (Elcometer Pull Test) Plywood Concrete (Primed)	ASTM D4541	> 185 psi > 300psi
Shelf Life (stored indoors @ 77°F (25°C), 50% RH in unopened containers)		6 months