

ELASTO-DECK 5000 X2

*Waterproof Coating
for Critical Areas*

ADVANTAGES:

- Seamless
- Skid-resistant
- Long-lasting
- Wear-resistant
- Any climate
- New decks as well as old concrete decks
- Both interior and exterior applications

APPLICATIONS:

- Walking decks
- Balconies
- Patios
- Roofs
- Sundecks
- Stairways
- Above living quarters
- Other occupied areas

A liquid-applied, single-component, moisture-cured, elastomeric deck coating system for walking decks, balconies, patios, roofs, etc., where an absolutely waterproof coating is crucial, such as above living quarters or any other occupied areas. **ELASTO-DECK 5000 X2** can be used on all exterior and interior applications where a waterproof, skid-resistant, long-lasting, wear-resistant surface is required. It may be used on new decks as well as on old concrete decks which are damaged, or cracked. The system retains its elastomeric properties in below freezing weather as well as in very hot climates.



*New Deck installed on the unused roof of a Los Angeles Unified High School.
The roof was re-tasked as a partial green roof with food service and commons.*



*Apartment Tower Sundeck
Torre Playa, Puerto Rico*

ELASTO-DECK 5000 X2



An absolutely water-proof coating for critical areas, such as above residences and offices, available in 20 colors or a natural aggregate finish.

PROJECT DESCRIPTION

The **ELASTO-DECK 5000 X2** system consists of an **ELASTO-DECK 5001NG** base coat, **ELASTO-GLAZE 6001AL-HT** top coat and a primer where necessary. **ELASTO-DECK 5000 X2** is available in a pigmented finish or natural aggregate finish.

INSTALLATION

Surface Preparation: All surfaces shall be free of contamination such as water, curing compounds, hardeners, bond-breakers, paint, etc. A light broom-finish is recommended for concrete surfaces. It is desirable to water-cure concrete in lieu of curing compounds. Only exterior grade plywood should be used. Contaminants should be removed by grinding, sandblasting or acid-etching. If etching is used, properly neutralize the acid and allow adequate time for surface to dry. Except for non-moving shrinkage cracks, all other cracks and joints must be sealed with **PERMATHANE® SM7108**, a single-component, moisture-cured polyurethane sealant manufactured by ITW POLYMERS SEALANTS NORTH AMERICA, INC. All surfaces must be primed with **PRIMER** prior to application of the coating system at a rate of 250-350 square feet per gallon. (6.14 – 8.6 M2/LITER), except for plywood in good condition.

All seams between plywood sheets and those between metal flashing and the plywood deck must be reinforced by imbedding a 4-inch (10 cm) wide strip of **PERMA-GLAS MESH** cloth tape in wet **ELASTO-DECK 5001NG**, which is brushed evenly over the seam in a width of about 5 inches (12.7 cm) and a thickness of about 20 mils wet (.5 mm). The application can subsequently be made immediately over the entire area, including the taped areas.

APPLICATION

ELASTO-DECK 5001NG shall be applied to the plywood or primed concrete at a rate of 56 square feet per gallon (1.47 m2/liter) resulting

in a dry film thickness of 25 mils (.6 mm). After a 16-24-hour cure, another coat is applied at the same 25 mil (.6 mm) coverage for a total dry thickness of 50 mils (1.27 mm). Application must be made uniformly to avoid thin spots and care must be taken to avoid pinholes and repair them should they occur. Following a 16-24 hour cure, apply **ELASTO-GLAZE 6001AL-HT** pigmented, at the rate of 120 square feet per gallon (2.8 m2/liter). Broadcast the desired aggregate into the wet coating to refusal. After an overnight cure, sweep or blow off all the loose aggregate and apply another coat of **ELASTO-GLAZE 6001AL-HT**, pigmented or clear at a coverage of 110 square feet per gallon (2.7 m2/liter). Coverage will vary depending on the size of aggregate used. Allow 48 hours cure time before permitting any traffic on the finished system.

MAINTENANCE

Since, as with all deck coatings, the topcoat is subject to staining by such foreign matter as nitrates, fertilizers, hard water, and other substances, it must be maintained. Please refer to the Maintenance Manual for proper maintenance procedures. The manufacturer is not liable for staining caused by hard water deposits, nitrates, fertilizers and other foreign matter. If **ELASTO-DECK 5000 X2**

is damaged, it can be repaired by cleaning the surface with Acetone and recoating it with the **ELASTO-DECK 5000 X2** system.

AVAILABILITY AND COST

ELASTO-DECK 5000 X2 is supplied through building material dealers. 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.

PRODUCT WARRANTIES

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.

TECHNICAL SERVICES

Technical assistance can be obtained by contacting:

ITW POLYMERS SEALANTS NORTH AMERICA, INC.
12271 Monarch Street
Garden Grove, CA 92841
Tel: (714) 898-0025 • Fax: (714) 898-5687

TECHNICAL DATA			
Property	Test Method	ED5001NG	EG6001AL-HT
Hardness Shore "A"	A.S.T.M. D-2240	50A-55A	95A ± 5A
Ultimate Tensile Strength	A.S.T.M. D-412	430 psi ± 10%	2,780 psi ± 10%
Ultimate Elongation	A.S.T.M. D-412	700% ± 10%	200% ± 10%
Adhesive Peel Strength (primed concrete)	A.S.T.M. D-903	300 psi	N/A
Peel Strength on Plywood (cohesive failure)	A.S.T.M. D-903	14 P.L.I. ± 10%	N/A
Solids Content (weight / volume)	A.S.T.M. D-2369	91 / 88 ± 2%	80 / 78 ± 2%
Water Absorption	A.S.T.M. D-471	<3.5%	<1.52%
Temperature Service Range		-50°F to +180°F	-50°F to +180°F
Viscosity at 77°F (25°F)	Brookfield Viscometer	60 ± 10 poises	30 ± 5 poises
Moisture Vapor Transmission	A.S.T.M. E-96	1.5 ± 0.4 perms	
Crack Bridging	A.S.T.M. C-836		
VOC Content	EPA Method 24	82 g/L	90 g/L
Tear Resistance (pounds per linear inch)	A.S.T.M. D-624	58	280
Bond-strength on Plywood	A.S.T.M. D-4541	185 psi plywood failure	N/A
Weight per Gallon		9.65 ± 0.10 lbs	9.45-9.90
Shelf Life (when stored indoors at 77°F (25°C) in unopened containers)		6 months	6 months