



## UR 5000 / 6000 WATERPROOFING MEMBRANE

### PRODUCT NAME

URELASTIC 5000/6000

URELASTIC 5000/6000 is an elastomeric, polyurethane coating system for waterproofing roofs, walking decks, patios, and stairways.

### PRODUCT DESCRIPTION

Composition: Liquid-applied, single-component, moisture-cured, polyurethane waterproofing system, for the purpose of waterproofing. All materials shall be delivered to the jobsite in unopened containers clearly marked and labeled. System consists of Urelastic 5000 base coat, Urelastic 6000 top coat, and a primer where necessary.

Basic Uses: For waterproofing walking decks, patios, stairways, and roofs. Designed for foot traffic. Anti-skid textured finish.

Limitations: Containers that have been opened must be used within one or two days since it is a moisture-reactive material. It sets up when exposed to air. All surfaces must be completely free of foreign matter and primed with Universal Primer where necessary.

Colors: Off-white, aluminum grey, concrete grey, tan, black, limestone, beige.

Sizes: Available in 1-gallon cans, 5-gallon pails, and 55-gallon drums. Weighs 10 lbs. per gallon.

Standards: C.C.M.C. Evaluation Report No. 12224-R Class "A" Fire Rating A.S.T.M. E-108

### INSTALLATION

Surface Preparation: All surfaces which are to receive URELASTIC 5000 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 watercure concrete in lieu of curing compounds. Contaminants should be removed by sand-blasting, blast-tracking, or acid-etching. If etching is used allow adequate time for surface to dry. Except for non-moving shrinkage cracks, all other cracks and joints must be sealed with URELASTIC 230, a single-component, moisture-cured sealant manufactured by Pacific Polymers Inc. All concrete surfaces must be primed with Universal Concrete Primer prior to application of the coating system, at a rate of 350 square feet per gallon, 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 wide strip of cloth tape in wet URELASTIC 5000 which is brushed evenly over the seam in a width of about 5 inches and a thickness of about 30 wet mils. The application of URELASTIC 5000 can be made immediately over the entire area.

Application: Urelastic 5000 shall be applied to the primed concrete at a rate of 50 square feet per gallon resulting in a dry film thickness of 30 mils. Application must be made uniformly to avoid thin spots and care must be taken to avoid pinholes and repair them should they occur.

Urelastic 6000 may be mixed with approximately 10% volume of ground walnut shells of the desired size and applied uniformly at a rate of 70 square feet per gallon, resulting in a dry film thickness of 15 mils. It is important to keep mixture agitated during application to avoid setting of the shell. Allow the Urelastic 6000 to cure for 24 hours minimum before allowing light foot traffic.

### MAINTENANCE

If URELASTIC 5000/6000 is damaged it can be repaired by cleaning the surface with M.E.K. and re-coating it with URELASTIC 5000/6000 system.

**TECHNICAL SERVICES**

Technical assistance can be obtained by contacting Aggressive Distributing Inc.

**TECHNICAL DATA**

Property	Measuring Standards and Conditions	Results Base Coat URELASTIC 5000	Results Top Coat URELASTIC 6000
Hardness	Shore "A" A.S.T.M. D-2240	55	-
	Sward Hardness	-	38
Ultimate Tensile Strength	A.S.T.M. D-412	975 psi	7100 psi
Ultimate Elongation	A.S.T.M. D-412	825%	140%
Adhesive Peel Strength on primed concrete	A.S.T.M. D-903	90 P.L.I.	210 P.L.I.
Peel Strength on Plywood	A.S.T.M. D-903	95 P.L.I. Cohesive Failure	N/A
Solids Content		90 % by weight	70% by weight
Water Absorption	A.S.T.M. D-471	1% by weight	0.03% by weight
Temperature Service Range		-50°F to +200°F	-50°F to +200°F
Viscosity at 77°F	Brookfield	150 Poises	45 Poises
Moisture Vapor Transmission	A.S.T.M. E96-66 A.S.T.M. E96-66 Procedure 15 mil (0.015") dry film 30 mil (0.03") dry film Cured 7 days at 77°F 50% RH	3.7 perms 0.6 2.4 perms 0.4	0.8 perms
Abrasion Resistance	A.S.T.M. C-S01-62T 30 mil dry film on 4" x 4" metal, CS-17 wheel, 100 rev. with 1000 grams weight	No change in weight	No change in weight
Tear Resistance	A.S.T.M. D1004-66	220 lbs. per linear inch	188 lbs. per linear inch
Perpendicular Bond Strength on Plywood		185 psi plywood failure	N/A