

Liquid Rubber®

DacLar®

SUPERIOR ROOF WATERPROOFING

Liquid Rubber Daclar® is an, environmentally safe dual component spray applied protective coating specifically designed to provide superior waterproof protection for roofing restoration and new construction. When cured Liquid Rubber Daclar® forms a seamless and fully adhered surface membrane. Liquid Rubber Daclar® strongly adheres to most roof substrates, providing waterproofing performance that is not affected by strong sunlight or airborne contaminants. Liquid Rubber Daclar® bonds extremely well with Liquid Rubber Acritech® to provide a colored surface that will not delaminate. Liquid Rubber Daclar® is a cold applied, requiring no open flame or heaters. A dual component instant set system sprayed in conjunction with an inorganic salt solution, Liquid Rubber Daclar® sets instantly allowing contractors to walk and work on the surface with no stickiness or tracking.

Liquid Rubber Daclar® is an elastomer modified bitumen emulsion applied to restore the waterproof performance of tar & gravel roofing (BUR), rolled roofing membranes, corrugated steel roofing, plywood and asbestos panels. Liquid Rubber Daclar® can be applied over polyurethane foam or polystyrene board insulation.

Liquid Rubber Daclar® is a water based, environmentally safe alternative to conventional hot applied bitumen or solvent based protective coatings. Liquid Rubber Daclar® is easier to use than rolled roofing membranes and provides excellent waterproofing and chemical resistance through a highly flexible seamless membrane that resists cracking and aging. Liquid Rubber Daclar® is unaffected by acid rain or high intensity sunlight and is resistant to many airborne chemical pollutants found in industrial areas.

- FREE OF FLAMMABLE SOLVENTS
- NON-TOXIC
- NO VOC'S
- LOW ODOUR & WATER BASED

PHYSICAL PROPERTIES (Liquid)	
PROPERTY	TYPICAL RESULTS
Colour	Brown to black
Specific gravity (liquid) g/cm ³	Approx. 1.0
Odour	None
Volatile Organic Compound	Contains no solvents
% solids (wt)	60 - 63%
Viscosity (sec)	20 - 25
pH	10 - 12

PERFORMANCE DATA (Cured membrane)	
PROPERTY	TYPICAL RESULTS
Colour	Black
Specific gravity, g/cm ³	Approx. 1.0
Chemical resistance	Resists salt water and most inorganic solutions
Biological resistance ASTM E154, ASTM D412	Passed
Impact Resistance CGSB 37-GP-56 @ 23°C	Passed (168)
Water tightness after impact	Passed (no leakage)
Accelerated Weathering (Xenon arc)	No deterioration of the film,
ASTM G 155, 250 hrs	>90% retention of original tensile strength
Tensile Strength ASTM D 412, kPa (psi)	>830 (>120)
Elongation, %	>850%
Recovery ASTM D412, %	90%
Hardness, Durometer 00	85
Hardness, Shore A	20
Hardness, Shore D	4
Adhesion to concrete DeFelsco, kPa (psi)	>1240 (>180)
Adhesion to concrete ASTM C836, N/m (lb/in)	303 (17)
Puncture resistance CGSB 37-GP-56	Passed (no punctures)
Sag flow	None
Blistering ASTM D 714, 1000 hrs exposure	None
Abrasion resistance ASTM F 1677	Good - very good
Water vapor permeance ASTM E 96, ng/Pa.s.m ² (gr/h-ft ²)	4.99 (0.25)
Permeability ASTM E 96, ng/m/Pa/s	0.071
Air permeance ASTM E 2178, L/s.m ²	0.0004
Permeability methane ASTM D1434-82, cm ³ /sec/atm	1.88 x 10 ⁻⁸
Thermal resistance ASTM C518-04 (2.66/ply)	0.028
UL fire ratings (ballasted)	Class A

APPLICATION

Liquid Rubber Daclar® is applied as part of a dual component system using a specially designed air-less spray system. Both components of this system are water based and environmentally safe.

Liquid Rubber Daclar® should be applied to a dry surface, free of dirt, debris, oil or grease and should not be applied when the ambient temperature is below 5°C, or rain is expected within 24 hrs of application. For best results apply in multiple thin coats. A 'flood coat' of Liquid Rubber Daclar®, without the inorganic salt solution is applied prior to the instant set spray application if greater surface penetration is required for old BUR roof systems.

Liquid Rubber Daclar® is applied between 0.4-0.7 m²/litre, depending on the required membrane thickness. Liquid Rubber Daclar® will dry to the touch in one minute and is largely cured within 48 hrs. Typically an applicator crew can apply 500 – 750 m² of Liquid Rubber Daclar® membrane per day.

LIMITATIONS

Do not apply to wet or frozen surfaces or directly prior to rain. Some surface base coat materials such as coal tar are unsuitable for use with Liquid Rubber Daclar®. Please consult technical service with any questions.

CAUTION

For industrial use only. Keep out of reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using Liquid Rubber Daclar®.

Liquid Rubber Daclar® is mildly alkaline. When applying this product observe normal safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS.

TECHNICAL SERVICE

905.528.5800 | 905.825.2600 | 866.979.0300

COVERAGE				
Cured Membrane		Coverage		
Mils	mm	ft ² /gal	ft ² /litre	m ² /litre
40	1.00	30	7.93	0.74
80	2.00	15	3.96	0.37
120	3.00	10	2.64	0.24