

CreteSafe A-Primer®

ELASTOMERIC ACRYLIC EMULSION PRIMER

Primers are recommended prior to applying instant set waterproofing and concrete protection products. Concrete is porous and acrylic water based primers will be absorbed into the concrete structure minimizing blistering and improving surface adhesion. Liquid Rubber CreteSafe A-Primer® is a low viscosity modified acrylic emulsion which is applied to porous concrete surfaces prior to applying Liquid Rubber's instant-setting bitumen waterproofing and protective coatings.

CreteSafe A-Primer® can be applied to concrete and a wide range of other surface materials. The adhesion-promoting film is effective in a thickness of only a few thousandths of an inch. This film is distributed over a surface by brush, spray or roller application of the emulsion onto the concrete surface. Natural evaporation of the water will leave a thin film of the acrylic itself directly wetting the concrete surface.

Applying CreteSafe A-Primer® seals concrete, providing a surface which will reduce the incidence of pinholing and blistering that can occur by outgassing in coating systems. CreteSafe A-Primer® is designed to work in conjunction with Liquid Rubber CreteSafe B-150® and Liquid Rubber CreteSafe B-250® forming a completely integrated protective membrane system.

PHYSICAL PROPERTIES (Liquid)	
PROPERTY	TYPICAL RESULTS
Colour	Milky white
Specific gravity (liquid) g/cm ³	Approx. 1.1
Volatile Organic Compound	Contains no solvents or VOCs
Solids Content	25-35%
Viscosity, Brookfield (cps)	100
pH	8 – 11

PERFORMANCE DATA (Cured membrane)	
PROPERTY	TYPICAL RESULTS
Colour	Dries clear
Specific gravity, g/cm ³	Approx. 1.1
Chemical resistance	Resists salt water and many organic and inorganic solutions
Tensile Strength ASTM D 412, MPa (psi)	3.5 (500)
Adhesion to concrete ASTM C 907, psi	450
Elongation %	>500
Low temperature mandrel CGSB 37.58-M86, para. 7.2.6, -15°C	Pass
Impact resistance CGSB 37-GP56 @23C (in-lbs)	168
Hardness, Durometer Type A	40-45
Abrasion resistance	Good - very good

COVERAGE				
Cured Membrane		Coverage		
Mils	mm	ft/gal	ft ² /litre	m ² /litre
5	0.125	240	63.5	5.9

APPLICATION

The surface must be thoroughly cleaned, and all dust, dirt, loose coatings, oil or greasy substances removed. Concrete must be completely cured and dried prior to priming.

CreteSafe A-Primer® should be allowed to dry before application of subsequent coat / membrane. CreteSafe A-Primer® can be applied with a brush, roller, squeegee, or airless spray equipment at the recommended coverage rate.

Thickness can be controlled by applying in multiple thin coats.

LIMITATIONS

Liquid Rubber CreteSafe A-Primer® should not be applied when the ambient temperature is below 10°C or if rain is expected within 24 hours of application.

CAUTION

Keep out of reach of children. Avoid storage below 5°C. Please consult the Material Safety Data Sheet before using CreteSafe A-Primer®.

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

866.979.0300 | 905.825.2600

MSDS MATERIAL SAFETY DATA SHEET

SECTION 1 MATERIAL IDENTIFICATION

TRADE NAME: Crete A-Primer® MATERIAL USE: Protective Coating

EMERGENCY TEL # 1-866-979-0300

CHEMICAL FAMILY: Water suspension of elastomeric synthetic polymers and inert fillers.

T.D.G. CLASSIFICATION: NON REGULATED

WHIMIS CLASSIFICATION: NON REGULATED

SECTION II COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT	CAS#	% (BY MASS)	LC50 (ppm) (rat inhal)	LD50 (mg/kg) (rat oral)
Complex mixture of synthetic polymers	9003-01-04	25-35	n/a	na
Water		65-75		
Ammonia	7664-41 -7	0.1 (max)	n/a	n/a

SECTION III PHYSICAL PROPERTIES

Odour and appearance: Milky liquid, slight odour. - Odour threshold: n/a - Specific gravity: 1.00 (approx.)

Coefficient of water/oil distribution: n/a - Vapour pressure (mm Hg): 17 @20°C (water) - Boiling point: 100°C (water) - Freezing point: 0°C
pH: 8-11 - Vapour density (air = 1): >1 - Evaporation rate (nBuAcetate = 1): <1 - Volatiles %: 10-30 (water) - Solubility in water: completely dispersible

SECTION IV FIRE & EXPLOSION DATA

Means of extinction: n/a - Sensitivity to mechanical impact/static discharge: n/a - Flash point (method): n/a (non-combustible)

Upper flammable limits % : n/a - Lower flammable limits % : n/a - Auto-ignition temperature: n/a - Special fire fighting instructions: n/a

Unusual fire and explosion hazards: Product will not burn but may splatter if temperature exceeds the boiling point of water.

SECTION V REACTIVITY DATA

Chemical stability: Stable - Incompatible materials: CreteSafe A-Primer[®] is an alkaline product and will react with alkaline sensitive materials such as acids and certain metals. Contact with incompatible chemicals such as acids or multivalent salts may cause coagulation. Do not store in aluminum containers or mix with aluminum implements. Hazardous decomposition products: To avoid formation of steam, avoid heating above 100°C (212°F). If the product is subjected to elevated temperatures, hazardous vapours can be released once all the water has evaporated. Potential including carbon monoxide, organic acids and aldehydes. - Hazardous polymerization: Will not occur.

SECTION VI HEALTH INFORMATION

Exposure limit: n/a - Inhalation: n/a - Skin: Short single exposure is not likely to cause significant skin irritation. Prolonged or repeated exposure may result in slight irritation and redness. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. - Eyes: contact with the eyes will result in irritation. - Ingestion: Single dose oral toxicity is considered to be very low. - Chronic effects: n/a

Caution: Inhalation of vapour or mist can cause headache, nausea and irritation of the eyes, nose, throat and lungs.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: n/a

Skin: This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or edible oil, then wash with soap and water. If irritation persists seek medical attention. - Eyes: Flush thoroughly with fresh water for at least ten minutes. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

SECTION VII SPILL PROCEDURES

In the event of a spill: Dike and contain, transfer to containers for recovery or disposal. Keep out of sewers.

Waste disposal method: Follow federal, provincial and local regulations regarding disposal.

SECTION VIII SPECIAL PROTECTION

Respiratory protection: n/a - Ventilation: Good general ventilation should be sufficient to control airborne levels of irritating vapors. Local exhaust ventilation may be necessary for some operations. - Protective gloves: Recommended - Eye protection: safety glasses/splash goggles recommended - Other protective equipment: Long sleeves, loose clothing recommended.

SECTION IX SPECIAL PRECAUTIONS

Storage and handling conditions: Keep containers tightly closed when not in use. KEEP FROM FREEZING.

Special shipping information: Not regulated by the Transportation of Dangerous Goods Regulations.

Prepared by: Liquid Rubber Worldwide Inc. - Preparation date: 1 -Nov-201 0

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