



Stars Management DMCC

SUBMITTAL

RUBBERKOTE 1047
(Waterproof Coating for Wet Roofs)

RUBBERKOTE 1047TM

Waterproof Coating for Wet Roofs



DESCRIPTION

RUBBERKOTE 1047 is a revolutionary waterproofing coating that is uniquely designed to be applied to wet or damp roofs where curing will proceed even underwater! Yet unlike quick patch materials that have a short life expectancy, RUBBERKOTE 1047 is guaranteed to last for five years! RUBBERKOTE 1047 will adhere to all common roofing substrates and is ideal for either instant roof repairs or as a permanent roof coating.

OUTSTANDING FEATURES

- Can be used over BUR, capsheet, modified, steel, aluminum, tin, zinc, concrete, transite and others
- Will cure underwater regardless of applied coating thickness
- Produces a fully adhered, seamless, high density, waterproofing membrane
- Remains flexible, tough, and weatherproof at low temperatures and will not flow at high temperatures
- Apply straight out of the container by brush or roller
- Uses DuPont Kevlar® technology to achieve super strength and durability
- Will not re-emulsify or wash away with water
- May be used on vertical, pitched and horizontal surfaces and withstands ponding water

APPLICATION

Although only minimal preparation is required, all loose material, stones and grease should be removed, together with as much dust, rust and standing water as is reasonably possible. All holes, gaps and joints should be bridged with ROOFAB sandwiched between sufficient RUBBERKOTE 1047 to provide thorough wetting of the roof surface and thorough saturation of the ROOFAB. This is best accomplished by "stippling in" with a brush. RUBBERKOTE 1047 may be applied in 2 coats of 20 wet mils thickness each over capsheet, modified, metal, transite or concrete after the above preparation is complete. The 1st coat may be applied directly over any fresh, wet repairs as curing will proceed regardless of thickness although slower. The 2nd coat may be applied as soon as the 1st coat is sufficiently dry to walk on (normally 2-3 days at 65°F). Care should be taken

not to disturb any patches or pre-treatments as they may still be wet. RUBBERKOTE 1047 may be applied over asphalt or coal tar B.U.R. after the preparation described above has been completed. The 1st coat should be applied at 66 square feet per gallon; ROOFAB laid into it and thoroughly "stippled in" by brush with a 2nd coat at 66 square feet per gallon to remove all tents and voids. The Roofab should be overlapped as indicated by the lap lines and thoroughly saturated with RUBBERKOTE 1047 so that no dry spots remain.

LIMITATIONS

Not recommended in areas of high chemical attack (around stacks, etc)

MAINTENANCE

Damaged areas may be repaired by re-application of RUBBERKOTE 1047.

SPECIFICATIONS	
Coating	Resin-based, air drying
VOC	400 gms/liter
Pot Life	Single component
Shelf Life	24 months
Recommended Thickness	30 mils dry film thickness
Coverage	30 - 40 square feet per gallon
Packaging	3.5 gallon pails
Color	Light Gray

RUBBERKOTE 1047

Waterproofing Coating for Wet Roofs



PRECAUTIONS

Contains solvents. Read M.S.D.S. thoroughly before using. Do not get on skin or in eyes. Do not ingest or inhale vapor. Make sure that vapor does not enter building. If skin is contaminated, use suitable cleaner. If eyes are contaminated, wash with water and

seek medical attention. If ingested, do NOT induce vomiting and seek immediate medical attention. If inhaled, remove person to fresh air.

For additional information, contact the Andek Technical Department.

Keep product out of reach of children and pets.

TECHNICAL DATA		
Moisture Vapor Transmission	.32 perms	ASTM E-96
Tensile Strength	250 psi	ASTM D-412
Elongation	65%	ASTM D-412
Flexibility at Low Temperature	180 deg. bend @ -20°C	ASTM C-711
Shore 'A' Hardness	36	ASTM D-2240
Puncture Resistance	50 psi	ASTM D-154-79
Viscosity at 70°F	10,000 cps	ASTM D-446
Solids Content	60% (B.W.); 58% (B.V.)	ASTM D-1044
Drying Time @ 80°F (70% R.H.)	60 hours (to walk on)	
Total Cure @ 80°F (70% R.H.)	7 days (to 36 deg. Shore 'A')	
Application Equipment	Brush, roller or spray	
Cleaning of Equipment	Mineral Spirits	

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MATERIAL SAFETY DATA SHEET
U.S. Department of Labor
Occupational Safety & Health Administration

RUBBERKOTE 1047

SECTION 1 - IDENTIFIERS

MANUFACTURER: Andek Corporation
TRADE NAME: Rubberkote 1047
CHEMICAL FAMILY: Thermoplastic Resin Solution

SECTION 2 – HAZARD IDENTIFICATION & EMERGENCY OVERVIEW

Emergency Overview: particulates, ashes and soot may be emitted during burning or incomplete combustion. Closed container may rupture under extreme heat.

Effects of Overexposure:

SKIN: May irritate skin.
EYES: Contact may cause severe damage. Vapor may irritate.
BREATHING: Inhalation may cause headache, dizziness, nausea and irritation.
SWALLOWING: Harmful or fatal if swallowed.

SECTION 3 - COMPOSITION

<u>COMPONENT</u>	<u>CAS #</u>	<u>APPROX %</u>	<u>TLV</u>
Acrylic Polymer	80-62-6	17.5	
Mineral Spirit	8052-41-3	21.2	
Titanium Dioxide	1317-80-2	10.0	
Polybutene	8042-47-5	13.0	
Calcium Metasilicate	13983-17-0	12.5	
Aluminum Silicate	1332-58-7	9.9	
Methoxy Propanol Acetate	108-65-6	16.8	

SECTION 4 – FIRST AID MEASURES

SKIN: Clean thoroughly with pumice-based hand cleaner, followed by soap and water.
EYES: Flush with clear water for 15 minutes and seek immediate medical attention.
BREATHING: Move victim to fresh air.
SWALLOWING: DO NOT induce vomiting. Seek immediate medical attention.

SECTION 5 – FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 107°F Tag Closed Cup (ASTM D50).
FLAMMABLE LIMITS: Lel 0.9%; Uel 6.0%
EXTINGUISHING MEDIA: Carbon dioxide; foam; dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Use air supplied breathing equipment for enclosed areas. Cool exposed containers with water spray.
UNUSUAL FIRE & EXPLOSION HAZARDS: Sealed containers may build up pressure if exposed to heat (fire).
DECOMPOSITION PRODUCTS: Chlorine and HCL in small quantities from high temperature combustion.

SECTION 6 – SPILL OR LEAK PROCEDURES

Cover with a layer of sand or other suitable absorbent. Use protective measures as outlined under Section 8 below. Avoid contact with eyes, skin or clothing.

SECTION 7 – HANDLING & STORAGE

Avoid prolonged or repeated contact with skin. Avoid contact with moisture. Do not use in confined areas without adequate ventilation.

SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined spaces, use fresh air hood or NIOSH certified vapor canister unit.
EYE PROTECTION: Safety goggles or face shield.
SKIN PROTECTION: Nitrile rubber gloves.
OTHER PROTECTIVE EQUIPMENT: Coveralls and/or rubber apron, rubber shoes or boots.
PERSONAL HYGIENE: Wash thoroughly after handling.

SECTION 9 - PHYSICAL DATA

BOILING POINT (F)	400°	SPECIFIC GRAVITY (H ₂ O=1)	0.93
VAPOR PRESSURE	10	PERCENT, VOLATILE BY VOLUME	38%
VAPOR DENSITY (AIR=1)	4.8	EVAPORATION RATE (N.B.A.=1)	0.2
SOLUBILITY IN WATER	Insoluble	pH (5% SLURRY)	7

APPEARANCE & ODOR - Dark gray liquid with mineral spirit odor.

SECTION 10 - REACTIVITY DATA

STABILITY: Stable.
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers (peroxide, etc).
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Heat, sparks and open flame.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY	Minimal
ACUTE INHALATION TOXICITY	Slight
ACUTE DERMAL TOXICITY	Minimal
SENSITIZATION	Minimal
MUTAGENICTY	Negative
CARCINOGENICITY	Possible

SECTION 12 ECOLOGICAL INFORMATION

BIODEGRADATION	Partial
TOXICITY TO FISH	Possible
TOXICITY TO AQUATIC INVERTEBRATES	Harmful
TOXICITY TO MICRO ORGANISMS	Possible
ATMOSPHERIC OXIDATION OF VOLATILES	Degrades Rapidly
BIOACCUMULATION	Unknown
TOXICITY TO PLANTS	Harmful

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations; absorb with sand.

SECTION 14 – TRANSPORT INFORMATION

PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	3
PACKING GROUP:	III
ID #:	UN 1263
RQ:	None

TRANSPORT LABELS REQUIRED: Flammable liquid. (In the U.S., this material may be re-classified as a combustible liquid and is not regulated in containers less than 119 gallons via surface transportation.)

SECTION 15 – REGULATORY INFORMATION

See reference data for individual components.







SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	G

Disclaimer: Andek Corporation (Andek) believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the issue date of this Material Safety Data Sheet (MSDS). However, because the conditions of handling, use, and storage of these materials are beyond Andek's control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations contained in this MSDS are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.



PROJECT REFERENCES

	PROJECT	LOCATION	ANDEK PRODUCT USED
	U.S. Naval Research Lab	Washington DC	Polaroof NW
	Reagan National Control Tower	Reagan National Airport, Washington, DC	Polaroof AC, Wearcoat 66
	Arch Street Presbyterian Church	Philadelphia, PA	Polaprime 21, Polaroof AC
	Trump Building Wall Street (Metal roof)	New York, NY	Polaprime 21, Polaroof AC
	PA DOT-Interstate 476	Pennsylvania	Polagard AG
	McDonnell Douglas (Boeing Aerospace)	New Jersey	Polaroof RAC



John F Kennedy Airport

New York, NY

Polaroof SP, Flashband



LaGuardia Airport

New York, NY

Polaroof SP, Flashband



Throgs Neck Bridge

New York, NY

Roofdx Super, Roofab



Los Angeles Int'l Airport

Los Angeles, CA

Polaroof RAC, Roofab, Polaroof SP



PSE&G Nuclear Power Station

Salem, NJ

Andek 950, Wearcoat 66



Philadelphia Park Horse Stables

Philadelphia, PA

Polaprime 21, Polaroof AC



U.S. Air Force Airlift Command

Dover AFB, DE

Polaroof AC



U.S. Navy (Military Sealift
Command)

Norfolk, VA

Polaroof SP



Walt Disney World

Orlando, FL

Roofdx Super, Polarroof RAC, Roofab, Polarroof AC, Polarroof NW, Clearcoat 44



The Moshulu

Philadelphia, PA

Polaprime 21, Roofab, Polarroof RAC



Interstate 78

Pennsylvania

Polagard AG



Veteran's Administration Hospitals

Delaware & Palo Alto, CA

Polarroof RAC, Polarroof SP



Jazzland Amusement Park

New Orleans, LA

Polagard AG



NASA Goddard Space Flight Center

Greenbelt, MD

Polarroof RAC, Roofab



National Institutes of Health

Bethesda, MD

Cocoon 560, Cocoon Vinyl Bond B



Harrah's Casino

Atlantic City, NJ

Polaroof AC, Roofdx Copper



General Electric

Burkeville, AL

Cocoon 560, Cocoon Vinyl Bond B



Baltimore/Washington Int'l Airport

BWI Airport, MD

Polaroof NW



U.S. Department of State

Overseas Embassies

Rubberkote 1047



Princeton University

Princeton, NJ

Polaroof AC, Polaroof NW,
Wearcoat 44, Roofab



U.S. Army Corps of Engineers

Hungry Horse, MT &
Johnson Atoll

Polajoint



Dupont Corp

Richmond, VA

Polafloor PUR, Wearcoat 44,
Polafloor Epoxy Topping



Lucy the Elephant

Margate, NJ

Polaroof AC, Polaprime 21



Maryland DOT

Chesapeake House
Service Center

Polaroof AC, AIM #3



Philadelphia City Hall

Philadelphia, PA

Roofdx Super



Pfizer Pharmaceutical

Philadelphia, PA

Polafloor PUR



Philadelphia Naval Shipyard

Philadelphia, PA

Polaroof AC, Polaroof NW,
Wearcoat 44, Roofab



University of Texas

Austin, TX

Clearcoat 44



Delaware DOT

Harrington, DE

Polaroof NW



The Ritz Carlton Resort & Golf
Club

Bradenton, FL

Andek Firegard



Pennsylvania State University
Wiley Lab

State Park, PA

Cocoon 560, Cocoon Vinyl Bond B



Hershey Park

Hershey, PA

Polafloor Colorcoat



National Italian Foundation HQ

Washington D.C.

Polagard Fibrelastic



Independence Blue Cross/Blue Shield HQ

Philadelphia, PA

Roofdx Super, Polafloor PUR



U.S. Navy - Military Sealift Command

Norfolk, VA

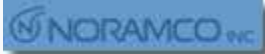
Polaroof SP

Picatinny

U.S. Army

Picatinny Arsenal, NJ

Polajoint Super



Noramco Pharmaceuticals

Wilmington, DE

Polaprime 21, Polaroof NW, Clearcoat 44



U.S. Coast Guard

Cape May, NJ

Polaroof SP, Polaroof RAC, Roofab



Bank of America

Baltimore, MD

Polaprime 21, Roofdx Super, Polaroof RAC, Roofab



Blue Cross/ Blue Shield

Columbia, SC

Polagard AG



Osiris Therapeutics

Columbia, MD

Cocoon 560, Cocoon Vinyl Bond B



Delaware "Smoke House" Fire
Training Facility

Polaprime 21, Wearcoat 44



Kentucky Horse Park-Central
Show Arena Facility

Lexington, KY

Polaprime 21, Polarof NW



Triborough Bridge & Tunnel
Authority

New York, NY

Roofdx Super, Roofab, Silver Film



Druid Hill Recreation Center

Baltimore, MD

Wearcoat 44

SOME PHOTOS FOR RUBBERKOTE 1047



RUBBERKOTE 1047 is affectionately known in our roofing contractor community as "MIRACLE STUFF". It is one of the only materials that actually works in *the wet, in the rain and in the cold.*



Here we had a leak on a smooth surface, modified bitumen membrane. After the excess water was swept away, RUBBERKOTE 1047 was applied and spread over the general area.



When the general area is covered, a piece of ROOFAB is cut and laid into the RUBBERKOTE 1047 as reinforcement.



The excess RUBBERKOTE is rolled in or squeegeed into the ROOFAB.

SEAM REPAIR

A peeling seam can be repaired in the same manner with RUBBERKOTE and ROOFAB.



Using a brush, roller, squeegee or combination of all, lay ROOFAB as reinforcement and saturate fully.

