



SKATELITE PRO PROPERTIES



This riding surface is a manufactured phenolic saturated wood fiber laminate ramp surface. Skatelite can have up to 10% of recycled content in the material. Skatelite is sensitive about the environment and takes measures to reduce its impact on the planet. In particular Skatelite Pro is an eco-friendly material made primarily of paper from certified managed forests in the U.S. Between 98-99.3% of the Volatile Organic Compounds (VOCs) involved in the Skatelite manufacturing process are captured and destroyed.

Electrical Properties

Dielectric Strength	150
Dielectric Constant	9.24
Dissipation	0.29

Thermal Properties

Coeff. Of Thermal Expansion (X Dir)	5.2 min/in
Coeff. Of Thermal Expansion (Y Dir)	12.8 min/in
Coeff. Of Thermal Expansion (Z Dir)	45.9/73.5min/in
Thermal Conductivity	0.00051 cal cm/cm 2 sec C

Water Absorption

By Weight	2.15%
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Tensile Strength

X Direction	19,200 psi
Y Direction	13,100 psi

Compressive Strength

X Direction	18,400 psi
Strain @ Failure	7.09%
Y Direction	15,900 psi
Strain @ Failure	7.15%
Z Direction	30,000 psi
Strain @ Failure	~20%

Flexural Strength (Face in Tension)

X Direction	22,000 psi
Y Direction	17,300 psi



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Flexural Strength (Edge in Tension)

X Direction	20,400 psi
Y Direction	16,100 psi

Shore Hardness

Face	90
Edge	88

Izod Impact (Face Impact)

X Direction	2.48 ft. lb. Per
Y Direction	1.46 in. of width

Izod Impact (Edge Impact)

X Direction	0.68 ft. lb. Per
Y Direction	0.62 in. of width

Burning Rate

Very Slow

Aging

Improves Mechanical and
Electrical Properties

Sunlight

Darkens Surface

Rainier Richlite Company 624 East 15th St. Tacoma, WA 98421 888-383-5533



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SKATELITE PRO MATERIAL SAFETY DATA SHEET



Section 1: Ingredients

Chemical Family: Cured Phenol-formaldehyde

Product Use: Various within modeling and pattern making industries.

Hazard Statement: This material safety data sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is not considered to be a hazardous chemical under that standard.

Section 2: Physical Data

Appearance: Tan, odorless flat sheets

Percent Volatile: 0 (zero)

Insoluble in water

Specific Gravity: 1.24

Section 3: Fire and Explosion Data

Extinguishing media: Self-extinguishing; remove source of heat.

Special fire fighting procedures: Use self-contained breathing apparatus.

Unusual fire and explosion data: Combustion products may be toxic.

Section 4: Reactivity Data

Stability: Stable

Conditions to Avoid: Excessive Heat for prolonged periods.

Incompatibility: Very strong alkali

Hazardous Decomposition Products: Combustion may form toxic materials.

Oxides of carbon and nitrogen, benzene, toluene, methane, phenol, formaldehyde.

Hazardous Polymerization: Will not occur.

Section 5: Health Hazard Data

Primary Routes of Exposure: Eye, dermal, ingestion or inhalation of dust from abraded material.

Threshold Limit Value: Not hazardous

Overexposure effects: Completely cross-linked phenol-formaldehyde resin is inert and non-toxic.

Eye Contact: Dust that contacts the eye may be irritating or cause mechanical injury.

Skin Contact: May cause slight skin irritation.

Ingestion: It is reasonable to anticipate ingestion of the dust would be irritating to the GI tract.



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Inhalation: Dust may be irritating to the respiratory tract and cause coughing or sneezing.

Section 6: First Aid Measures

Eyes: Immediately flush eyes with water for at least 15 minutes. See a physician if irritation persists.

Skin: Wash with soap and water. See a physician if irritation persists.

Ingestion: No harmful effects anticipated. See a physician if irritation persists.

Inhalation: No harmful effects are anticipated. If a problem develops, remove the person to fresh air and supply of oxygen if necessary.

Section 7: Special Protection Information

Ventilation: General mechanical and local exhaust in accordance with ACGIH recommendations. **Protective Gloves:** Wear gloves as a standard handling procedure.

Eye Protection: Dust-tight goggles are recommended during material abrading operations.

Respiratory Protection: Use NIOSH approved dust mask if required.

Section 8: Special Precautions

Handling precautions: Nuisance dust may be generated during some material machining processes.

Section 9: Regulatory Information

DOT-Proper shipping name: Plastic Laminate Sheets

DOT Hazard Class: N/A

RCRA Status: Not a hazardous waste under RCRA (40 CFR 261)

SARA/TITLE III - Toxic chemicals list: This product does not contain a toxic chemical for routine annual toxic chemical release reporting under Sec. 313 (40 CFR 372)

Issued 1/11/98 by R. Snyder, Product Safety Director

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**RAINIER RICHLITE CO, INC.
SKATELITE PRO
FIVE YEAR LIMITED WARRANTY**



RAINIER RICHLITE COMPANY warrants this product against defects in materials and workmanship for a period of five years from the date of original retail purchase (proof of purchase required). If RAINIER RICHLITE COMPANY receives notice of such defects during the warranty period, RAINIER RICHLITE COMPANY will either, at its option, repair or replace products that prove to be defective.

This Limited Warranty is applicable only to the original purchaser and may not be assigned or otherwise transferred.

Only merchandise that has been authorized for return by RAINIER RICHLITE COMPANY with a Return Material Order (RMO) number will be accepted for the consideration of issuance of appropriate credit or replacement.

Products of RAINIER RICHLITE COMPANY returned for warranty consideration must have return authorization and must be shipped prepaid to RAINIER RICHLITE COMPANY. RAINIER RICHLITE COMPANY will process all returns within a reasonable time and advise the Customer of the evaluation. Warranty consideration will follow RAINIER RICHLITE COMPANY'S written warranty for products prevailing at the time such product was purchased. All products found to be defective within the terms of the warranty will be repaired or replaced and returned to the Customer via surface freight prepaid by RAINIER RICHLITE COMPANY.

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