

RADONSHIELD RN86

Fluid- Applied, Elastomeric Non Permeable Membrane

Product Description

RadonShield is a patent pending elastomeric spray coating that provides waterproofing, mold prevention and radon protection in basements. With its superior adhesion qualities, it bonds easily to most substrates. Like all NaturaSeal products, RadonShield is environmentally friendly and safe to use.

Features & Benefits

- RadonShield instantly creates a watertight seal that protects against radon, mold and mildew, and rust.
- It withstands shifting that happens as a result of seasonal weather changes and settling.
- RadonShield is a certified patent pending formulation that is VOC-free, non-toxic and environmentally friendly.
- This product is safe to use in enclosed spaces, and can be applied quickly and easily.
- It sets instantly upon application.
- RadonShield is resistant to chemicals.
- The product comes in a variety of colours.

Storage & Use

- RadonShield is generally applied using a spray application, but it can also be applied with a brush or roller.
- It can be used on most substrates, including wood, metal, foam, ceramics

Applications

- Radon protection
- Mold protection
- Waterproofing
- Corrosion protection

Color

Black

Brown

Limitation

Do not apply when the ambient temperature is below 5°C (41°F). Do not apply to wet, frozen or frosted surfaces. Do not apply if rain is imminent within 24 hrs. Do not store in direct sunlight max 32°C (90°F) or below 5°C (41°F).

Warranty

NaturaSeal warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, NaturaSeal makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to NaturaSeal Products. NaturaSeal's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of NaturaSeal Products proven to be defective, and NaturaSeal shall not be liable for any loss or damage.

Please refer to our website at www.naturaseal.com for the most up-to-date Product Data Sheets.

NOTE: All NaturaSeal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

NaturaSeal Manufacturing & Distribution

Corporate Office:

NaturaSeal Distribution Inc.
4090 Ridgeway Drive, Unit 1,
Mississauga, ON L5L 5X5

Presentation Centre:

Improve- Home Improvement Centre
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RADONSHIELD RN86

Fluid- Applied, Elastomeric Non Permeable Membrane

■ Free of flammable solvents ■ Non-toxic ■ Odourless and Water based

PHYSICAL PROPERTIES

Specific gravity (liquid) g/cm ³	Approx. 1.1
Odour	Mild To None
VOC	Contains no solvents
Colour	Various
% solids (wt.)	>55%
Viscosity, SSF @ 25°C, seconds	150-1000 cps
pH	07- 11

TYPICAL RESULTS

PERFORMANCE (cured membrane)

Colour	Various
Specific gravity , kg/m2	1.1
Chemical resistance	See Chemical Resistance chart.
Biological resistance ASTM E154, ASTM D412	Passed (> 90% original value)
Impact resistance CSB 37-GP-56 @ 23°C, Water tightness after impact	Passed Passed (no leakage)
Elongation , %	300
Hardness Durometer Shore A	70
Adhesion to Concrete Strength ASTM –C907	Passed
Salt Fog Corrosion, ASTM B117-97 (scribed),	None detectable
Surface corrosion, ASTM D610,	None
Blistering, ASTM D714,	None
Corrosion creep back, ASTM D 1654,	None
Puncture Resistance CGSB 37-GP-56	Passed
Tg (calculated)	-20C
Accelerated weathering, ASTM G 155, D 412	Passed > 95% of Original value
Shelf Life(Liquid)	Minimum 12 Months @25C

TYPICAL RESULTS

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MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification:

RadonShield Rn86™

Section 2. Information and Ingredients

Name:	CAS #	% by Weight
Pitch	8016-81-7	5-50%
Additives	proprietary	5 -40%
Water	7732-18-5	balance

Section 3. Hazards Identification

Physical State: Liquid

Colour: Various

Odour: Mild

Emergency Overview Caution! MAY CAUSE EYE IRRITATION

Avoid contact with eyes: Wash thoroughly after handling.

Possible Carcinogenic: None of the components present in this material at concentrations equal to or Effects greater than 0.1% are known carcinogens.

Routes of Entry Absorbed through the skin.

EMERGENCY AND FIRST AID PROCEDURES

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 5. 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

Autoignition 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.

Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal

Section 7. Handling and Storage

Handling Avoid contact with eyes. Wash thoroughly after handling.

Storage Keep emulsion from freezing. Store in a cool, well-ventilated indoor area.

Section 8. Personal Protection

Personal Protection

Eyes Splash goggles

Body Lab coat, coveralls

Respiratory, Basic.

Hands Chemical resistant gloves

Feet Not applicable.

Section 9. Physical and Chemical Properties

Physical State Liquid

Color Various

Odor Mild

Ph 8-9

Boiling Point 100C (212F)

Melting/ Freezing Point Varies, depending on actual composition

Density 1.0 g/cm³ (25C / 77F)

Solubility Dispersible in water

Section 10. Stability and Reactivity

Product is stable

Section 11. Toxicological Information

Toxicity to Animals

LD 50 of material Non-lethal to aquatic organisms, Daphnia Magna, Rainbow Trout.

Species and route

Acute Effects Skin Slightly irritating to the skin.

Acute Effects Eyes Moderately irritating to the eyes

Section 12. Ecological Information

Biodegradability and Natural decomposition occurs over a very long time (>60%

biodegradation 28days

Eco-toxicity Remarks per OECD 301D closed bottle test)

Products of Degradation carbon oxides (CO, CO₂) and water

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, provincial, and local environmental control regulations.

Section 14. Transport Information

This product is not subject to the controlled products or the transportation dangerous goods regulations.

Section 15. Other Information

Notice to Reader

The information in the material safety data sheet should be provided to all who use, handle, store, transport or otherwise be exposed to this product. All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the publication date. However, no warranty is made as to the accuracy of and/or sufficiency of such information and/or suggestions or as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old, call to make certain that this sheet is current.