

RADONSHIELD

HYBRID POLYMER SEALER

GENERAL DESCRIPTION

RadonShield is a single component elastomeric sealant without free isocyanates or solvents (0-VOC's). It cures rapidly under the effect of atmospheric humidity to form a flexible and resistant joint with very good adhesion on most materials.

TECHNICAL DATA

Appearance	Pasty
Color	Grey
Density at 20 °C	1.65 ± 0.05
Sagging (ISO 7390)	No
Application temperature	5 to 35 °C
Skin formation time at 23 °C and 50 % HR	50 ± 10 min
Cure time at 23 °C and 50 % HR	> 3 mm/24 h
Final Shore A hardness(ISO 868 - 3 seconds)	> 30
Modulus at 100 % (ISO 8339)	> 70 psi
Elongation at break (ISO 8339)	> 300 %
Modulus at break (ISO 8339)	> 140 psi
Temperature resistance	-40 to + 90 °C
Resistance to dilute acids and bases	Good
UV resistance	Excellent
Water and salt spray resistance	Excellent
Compatibility with paints	Yes

APPLICATIONS

RadonShield is a hybrid, radon resistant polymer, specially designed to adhere to damp or dry surfaces, making it excellent for sealing cove joints and concrete floor cracks against radon and moisture infiltration. RadonShield possesses excellent bonding characteristics to a wide variety of materials and substrates, including (but not limited to) foundation baseboard drainage systems, vapor barriers to concrete, and plastic to plastic. RadonShield has excellent UV resistance and can be applied on exterior as well as interior surfaces.

INSTRUCTIONS FOR USE:

Substrate preparation:

The substrates must be clean, dry, free of dust, oil, grease and any contaminants that could harm bonding. All traces of poorly adherent paints or coatings should be systematically removed beforehand. If the substrates need to be cleaned, solvents such as methylethylketone (MEK) or acetone may be used. Check the compatibility of the solvent used with the substrates. It may be necessary to rub down the substrate beforehand. After rubbing down, the surface should be re-cleaned. Allow the substrate to dry after degreasing.

Note: when using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.

Caulking:

RadonShield may be applied by a manual or pneumatic gun.

After application, each joint should be tight up to the “joint lip” and smoothed out using a putty knife. This product should be used within 24 hours of opening the cartridge protection. If applied in cold weather, store the cartridges at 20 °C before use.

Cleaning:

Tools should be cleaned with MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

STORAGE AND SHELF LIFE:

12 months in the original, hermetically sealed packaging between 5 and 25 °C.

PACKAGING:

10.4 oz. cartridges

SAFETY:

Not classified as hazardous. Read the material safety data sheet before use.

WARRANTY

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product. This warranty is in lieu of any other warranty expressed or implied, including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular use.