

Ozone Seal R20

Polymeric Heat Reflective & Waterproofing, Roof & Wall Coating

DESCRIPTION:

Ozone Seal R20 is a cost effective heat shielding coating that uses advanced insulation technology to reduce the interior temperature of buildings. Ozone Seal R20 specially formulated with fine spherical particles that minimises surface temperature on roof and walls by reflecting a large percentage of the radiant heat energy before it penetrates the building. This lowers interior temperature and reduces energy cost for cooling the building.

USES:

Ozone Seal R20 is ideal for roofs and walls in both commercial and residential buildings. It provides a heat reflective & protective waterproofing skin over polyurethane foam, protecting the PU foam from UV and weather attack. On roofs and balconies, Ozone Seal R20 provides a durable, non skid, waterproof finish which will accept regular foot traffic. Ozone Seal R20 is suitable for application to many common substrates including concrete, fibrous cement products, metals, timber and bituminous membranes.

ADVANTAGES:

- Safe to use, water based polymeric formulation.
- Easy water cleanup.
- One component - readily applied direct from pail.
- Excellent resistance to UV, weathering and CO.
- Excellent build properties enable application to both horizontal and vertical surfaces.
- Lightweight no topping required.
- Can be applied to a wide range of substrates.
- Various colors available. Color fast.
- Highly flexible - accommodates movement and minor cracking of substrates.
- Excellent long term durability.
- Fast application..
- Remains flexible through use of high grade 100% elastomer acrylic polymers.
- Low maintenance costs.
- Reduced energy cost due to heat reflectivity.
- Resistant to foot traffic.
- Excellent dirt releasing ability.
- No need to remove existing system in maintenance situation e.g. existing sheet membrane, therefore reduces program time, noise, dirt, debris etc.

PROPERTIES:

Color:	White, Grey (other colors are available on demand)
Solid Volume:	60% (ASTM D2697)
Tack free:	40 minutes (30°C, 50% RH)
Heat Reflectance	> 99%*
Emittance:	0.89*
Elongation:	250% ±30 at 24°C
Bond Strength:	Exceeds cohesive strength of coating. (ASTM C297) (ASTM D412)
UV Resistance:	No effect after 5,000 hours (ASTM D822)
Water Permeability:	Highest resistance (Class E ASTM E514-7A)

PACKAGING:

25Kg Pail.

STORAGE:

Store in a dry and cool place below 35°C. Protect from direct sunlight.

SHELF LIFE:

12 months if stored properly in original unopened packaging.

INSTRUCTIONS FOR USE:

Surface Preparation:

Clean the surfaces which shall receive the coating of all dust, dirt, moss, oil and grease, loose particles, cement laitance and all other deleterious materials which will affect the adhesion of the coating with the substrate. Cracks and potholes shall be repaired with concrete repair mortar with the consultation of Ozone representative. Clean the surface of all rust scales. This can be achieved by wire brushing or grit blasting.

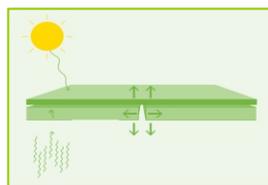
Application:

Ozone Seal R20 shall be diluted with 20% water and applied as primer coat on the concrete surface to seal the pores and stabilize the surface.

Mix the contents of the pail prior to the application to remove any sediment. Can be applied by soft bristled brush, roller or an airless spray. When applying by airless spray then dilute the coating with approximately 5% water to reduce the viscosity of the coating. It is important to ensure that each coat has to be cured totally before applying the next coat. The second coat should be applied at right angle to the first at the same coverage rate, to ensure a full unbroken coating to the substrate. Allow the coating to cure fully for 72 hours to achieve its full properties.



It's time to turn down the heat a little



- Today's main resource challenge in roof technology is heat transmitted from roof to building interiors
- Roof surfaces convert too much direct sunlight into heat
- Heat transfers into the inside of buildings
- Buildings become hot and uncomfortable
- More energy consumed by air-conditioning

Most significant single contribution to the reduction of CO₂ emissions is a reduction of energy used to control internal temperature of building

Consumption:

400gm to 1kg/m² in two coats for heat reflection purpose.

Cleaning & disposal:

Clean all the tools with water after use. Hardened materials can be removed mechanically only. Allow the waste to cure. Seal it into a suitable container and bury in landfill. Use licensed waste disposal contractor and consult the local authorities when disposing.

PRECAUTIONS & LIMITATIONS:

Do not apply Ozone Seal R20 to surfaces that have not been properly cleaned or are unsound. Do not apply in rain or when rain is expected before initial set has taken place. Do not apply to frozen or frost filled surfaces or when the temperature is below 4°C.

HEALTH & SAFETY:

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes immediately with fresh water. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

WARRANTY: Ozone products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. Ozone makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Ozone product fails to conform with this warranty, Ozone will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made period from the date of the claimed breach. Ozone does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ozone's installation information or instructions in its product literature or on its packaging labels. The user of the Ozone products must test the products for suitability for the intended application and purpose before proceeding with the full application of the products.