



#### USED FOR



Waterproofing



Chip Loss



Cracking

#### ENVIRONMENTS



Residential



Rural

## EnviroPlus Seal

## Superior polymer-modified chip sealing binder

EnviroPlus Seal is a 73-74% binder content, polymer-modified chip sealing emulsion engineered for exceptional durability and performance across all chip sealing applications.

Formulated with 130/150 grade bitumen, it delivers superior stability and long-lasting resilience. The addition of polymer significantly enhances its flexibility and adhesion, making it particularly effective in demanding conditions.

EnviroPlus Seal is suitable for all chip sealing techniques, ensuring strong surface bonding and extended pavement life, even under challenging environmental and traffic conditions.

### Where to use EnviroPlus Seal

- All chip sealing techniques - especially in extreme climatic conditions
- Crack-prone + high-deflection surfaces
- Suitable for all chip sealing techniques, including two-coat seals, racked-in seals, single-coat seals, sandwich seals, and first-coat seals

### Benefits

- Lower application temperature (Delivered at a temperature of 75°C)
- Superior chip adhesion
- Extended sealing season
- Lower emissions
- Safe and practical application

## Specification

Typical properties of EnviroPlus Seal

Property	Method	Specification
Binder content	In-house method	73-74% min
Viscosity mPas (at 40°C) CPS	In-house method	500 - 2000
Softening point (of cured binder)	ASTM D36	>45°C



## Handling

For safe handling of bituminous materials, please refer to the [Road Science polymer modified safety data sheet](#) and [Best practice guideline: Safe Handling of bituminous materials used for roading \(BPG01\)](#)

EnviroPlus Seal	
Normal safe handling temperature	70-90°C
Maximum safe handling temperature	90°C
Pumping binder temperature	>60°C
Normal spray temperature	70°C - 90°C

EnviroPlus Seal is a water-based product and care should be taken regarding risks associated with rain and runoff. Normal environmental control precautions for the use of emulsions should be taken

Note: The option of using EnviroPlus Seal is available in [Zeus](#), Road Sciences targeted weather insights tool.

## Circulation

EnviroPlus Seal should be circulated for at least 10 minutes prior to commencing spraying.

## Heating

The heating of EnviroPlus Seal needs to be undertaken slowly with the rate of heating not exceeding 10°C per hour. Gentle circulation is required during heating.

Never heat beyond 90°C.

## Storage

EnviroPlus Seal	
Short term storage temperature (up to 2 days)	75°C
Medium term storage temperature (3 to 5 days)	20°C - 50°C
Long term storage temperature (beyond 5 days)	20°C - 40°C
Critical: Long term storage	
If there is a need to postpone spraying beyond 5 days, the storage temperatures of EnviroPlus Seal should be dropped to <40°C.	
Never allow EnviroPlus Seal to freeze, as due to the presence of water in the emulsion, the emulsion will break.	

## Application

Refer to the seal design application rates for the specified job.

## Equipment

Conventional bitumen/emulsion sprayer.

## Treatment Selection + Mix Design

If you're unsure which treatment solution is best suited for your project — considering factors such as traffic volumes and asset management — consult a member of the Road Science Product Development Team. They can assist in determining the appropriate treatment selection and guide you through the mix design process.

## Sampling

Samples should be taken following transfer from storage or transport. PPE as defined in the Material Safety Data Sheet should be worn when sampling Enviro Seal including face shield as the product is transferred at slightly elevated temperatures and splashes are always a risk. Testing should only be carried out by an IANZ registered laboratory that is experienced in handling and testing bitumen emulsions

For managing bitumen quality, please refer to the [Waka Kotahi NZ Transport Agency Q05 specification for managing bitumen quality report](#)

## Need more information?

At Road Science, we're committed to providing innovative solutions backed by engineering expertise. If you have any questions about this product, need technical guidance, or want to discuss how it fits your specific project needs, our team is here to help. Contact us today for expert advice and tailored support. Contact us via **0800 180 200** or visit our website at [roadscience.co.nz](http://roadscience.co.nz) to learn more.

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