



Enviro Tack

Enviro Tack Bitumen Emulsion for Use as a Safe Enviro Tack Binder under Asphalt.

Enviro Tack is a 60% bitumen emulsion for use as a tack coating emulsion for bonding freshly laid asphalt to the underlying pavement. Enviro Tack is normally made using 80/100 bitumen, but can be made from a wide range of binders, if required. Enviro Tack bitumen emulsion can replace hot bitumen tack coats in all applications.

Where to use Enviro Tack:

In all situations where bitumen based Enviro Tack or bond is required under an asphalt layer

In patching situations where a small quantity of bitumen binder is required

Enviro Tack is delivered in a ready to use form and can be either sprayed cold or heated to 85 °C if required

Provides the safest method by which to deliver a tack coat binder to a road surface prior to paving with fresh asphalt.

Benefits:

Much lower application temperature compared with all hot-delivered Enviro Tack products

Excellent adhesion to the substrate

Better bond to the substrate in damp conditions

Lower emissions during manufacture and use.

Enviro Tack provides a convenient method to provide a bitumen bond between all common substrates and freshly paved asphalt. The Enviro Tack is only a Enviro Tack and should not be used where a more thickly applied membrane is required under the asphalt layer for waterproofing reasons.

Specification

Typical properties of Enviro Tack Bitumen Emulsion.

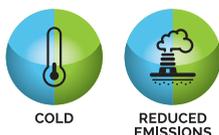
Property	Method	Specification
Binder Residue (%)	In-house method	>60%

Health & Safety

Enviro Tack can be handled at elevated temperatures (~80°C) and all precautions should be taken to prevent burns. Full personal protective equipment must be used at all times when pumping, transferring or sampling Enviro Tack binder. Any spills on the skin should be washed off immediately with appropriate hand cleaners, do not use solvents.

A safety data sheet for Enviro Tack is freely available on the Road Science website and must be read and understood prior to handling the Enviro Tack binder.

Properties:



Handling & Mixing Information

Enviro Tack	
Maximum safe handling temperature	90°C
Normal Spray Temperature	25°C - 70°C

Storage Information

Enviro Tack	
Medium term storage temperature (up to 5 days)	20°C - 70°C
Long term storage temperature (beyond 5 days)	20°C - 70°C

Gentle stirring/circulation is required to prevent long term settling of the bitumen phase. Never allow Enviro Tack emulsion to freeze, as due to the presence of water in the emulsion, the emulsion will break.

Critical: Rate of heating

The reheating of Enviro Tack emulsion needs to be undertaken slowly with the rate of heating not exceeding 10°C per hour.

Never heat beyond 90°C.

Sampling

Samples should be taken following transfer from storage or transport.

PPE as defined in the Safety Data Sheet should be worn when sampling Enviro Tack emulsion including face shield as the product can be transferred at slightly elevated temperatures and splashes are always a risk.

Testing should be carried out by an IANZ registered laboratory that is experienced in the handling & testing of bitumen emulsions.

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