

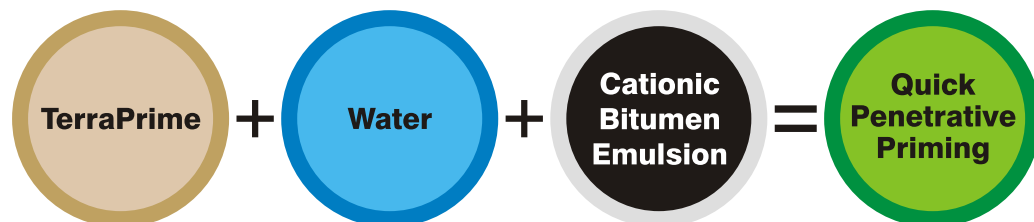
QUICK PENETRATIVE PRIMING

TerraPrime based prime coat penetrates, waterproofs and bonds the soil and stone base of WMM / WBM to do Quick priming. It replaces cutback emulsion, the preferred choice of highway engineers for priming, due to inability of water based cationic bitumen emulsions to penetrate, waterproof and bind the soil and stone layer.

CONVENTIONAL PRIME COAT ISSUES

- Long setting time of 8-24 hrs
- Poor penetration, poor spreading and poor waterproofing effect
- Tire pick up especially where vehicular movement cannot be stopped i.e. rural roads
- Cutback asphalts have high VOC's but continue to be used in highways

TERRAPRIME BENEFITS



- Excellent spreading and deep penetration
- Waterproofs and eliminates moisture susceptibility
- Tack free surface within 45-90 minutes
- Zero volatile emissions

DOSAGE

Area / Zone	Spray System	TerraPrime : Water (<1000 ppm TDS) Ratio	Cationic Bitumen Emulsion (kg)	Spray Rate liter / m ²
High Rainfall	First	1 kg : 500 Liter	–	2
	Second	1 kg : 200 liter	100	1
Normal Rainfall	Single	1 kg : 500 liter	50	2

- **High Rainfall Zone**
Spray TerraPrime solution (TerraPrime + Water) for deep penetration and waterproofing followed by second spray of TerraPrime solution mixed with Cationic Bitumen Emulsion mix after 30 minutes for bonding.
- **Normal Rainfall Zone**
Spray TerraPrime solution mixed with Cationic Bitumen Emulsion.

MIXING AND STORAGE

- Start re-circulation of cationic bitumen emulsion.
- Add water followed with TerraPrime and continue re-circulation for 10-15 minutes.
- If water is alkaline, use Acetic acid 0.5-1.0 kg or 35% Hydrochloric acid 1 kg into 1000 liters prior to mixing with TerraPrime.
- Spray the mix on the same day, circulate the mix every 3-4 hours.



Terrapime with Cationic Bitumen Emulsion



Waterproofing confirmed



Quick set in 45-90 minutes

STORAGE AND SHELF LIFE

Terrapime should be stored between 5 – 45 °C (41 – 113 °F) in a shaded, dry area away from sunlight, heat, ignition, source of sparks, rain and standing water. The container lid should be securely fastened every time it is used. Its shelf life is 24 months.

DISCLAIMER

Whilst the information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

ZYDEX : SUSTAINABILITY THROUGH INNOVATION

ZycoTherm / Zycosoil
Warm / Cool Hot Mix

Nanotac
Tack Coat / Cold Mix

Terrapime
Prime Coat

Terrasil
Soil Stabilization / Waterproofing



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