Quick Setting and Track Resistance





TerraPrime

Cationic bitumen emulsion additive that enables a deeply penetrative prime coat that is track resistant and waterproof. TerraPrime forms a permanent chemical bond between the prime coat and soil base, thereby enabling high bond strengths, track resistance and lower residual bitumen contents.

- M Reduced Nozzle Clogging
- **☑** Finer Droplet Size
- **▼** Water Resistance
- **☑** Quick Setting

www.zydexgroup.com

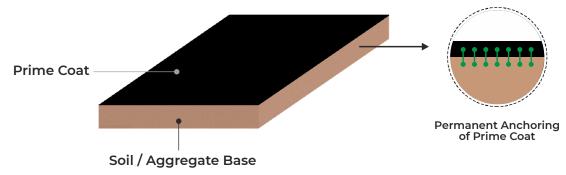




CHEMICALLY BONDED PRIME COATS

TerraPrime modified emulsions form a durable chemical bond with the underlying surface. The anchoring of the bitumen ensures improved and homogenous load transfer between the various layers of the pavement, while significantly reducing the potential of the bitumen to track and be prone to moisture damage.

TerraPrime is also designed to reduce the surface tension of Cationic Slow Setting type emulsions significantly. This leads to improved wetting and coverage properties, deeper penetration in to the soil / aggregate base, quicker setting times (1 - 2 hours vs. 6 - 8 hours), and reduced droplet size of the emulsion.



MIXING, DOSAGE & APPLICATION

TerraPrime is a water soluble additive that can be post added to the appropriate grade of Prime coat bitumen emulsion (Cationic Slow Set Types). TerraPrime with water is diluted & added at the time of application as high bond strengths can be achieved at lower residual bitumen content. Additionally TerraPrime emulsions are deeply penetrative and can provide track resistance.

Emulsion Components	Non-Diluted Emulsion	Diluted Emulsion	
Cationic Bitumen Emulsion	100%	50%	33%
Water	0	50%	67%
TerraPrime	0.7 - 0.8%	0.4 - 0.5%	0.3 - 0.4%

When TerraPrime is added into a cationic slow set emulsion, the recommended method of mixing is to dilute the additive with water in a spray truck first, and then gradually add the Prime coat emulsion to ensure homogenous mixing.

STORAGE & SHELF LIFE

Store TerraPrime between 5° - 45 °C (41° - 113 °F) in a shaded, dry area away from sunlight, heat, source of sparks, rain and standing water. Fasten the container lid securely after every use. Its shelf life is 48 months. In case the product freezes at low temperatures, allow it to thaw and melt.

EXCELLENCE



Achievements

2001

 FGI award (Export excellence)

2013

· IRF Global Road Achievement Award (Innovation in Roads)

2014

· Marico Innovation Award (Innovation in Nanotechnology)

2018

· CII Innovation Award (Top 25 most innovative companies)

2011

· FGI award (Research in Science & Technology)

2014

· Inc India Innovation Award (Research category)

2016

· FGI Award (Best innovation in Agriculture Development)



Certifications



Certified Company



ISO 9001:2015



ISO 14001:2015



ABOUT ZYDEX

Established in 1997, Zydex is a specialty chemicals company with the purpose of innovating for sustainability.

Beyond pavement products, Zydex offers a diverse set of chemical technologies for the textile, agriculture and civil construction industries. We were recently recognised as one of the 25 Most Innovative Companies in India by the Confederation of Indian Industries (CII).

Sustainable Green Chemistry

Zydex is deeply committed to sustainable chemistries that ensure a greener future for everyone. Our commitment has made us a pioneer in introducing non-polluting and non-hazardous technologies that conserve, protect and enhance the environment. Pursuing chemical innovations that would mean a greener, purer and more resource renewable world is our passion. Our technologies have been recognized by the International Road Federation (IRF), and have been globally adopted.

GLOBAL PRESENCE



SA 8000