

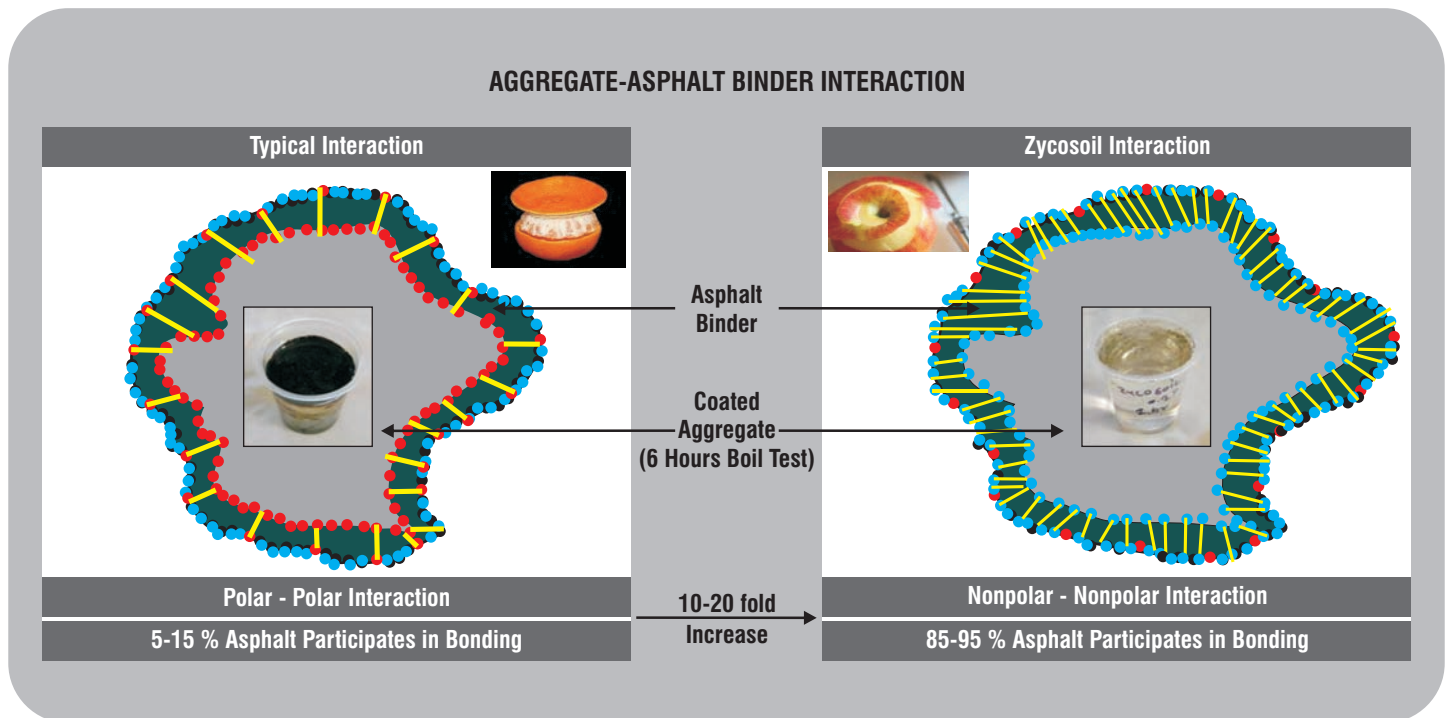
CHEMICALLY REACTIVE ANTISTRIP NANOTECHNOLOGY FOR DURABLE ROADS

Zycosoil is chemically reactive antistrip nanotechnology. Zycosoil reacts with aggregates to form 'asphalt-loving' non-polar hydrophobic aggregate surfaces at HMA processing temperatures. Zycosoil eliminates de-bonding of asphalt mixes caused due to inadequate and incomplete coating, coupled with moisture ingress, to enhance durability of asphalt pavements.

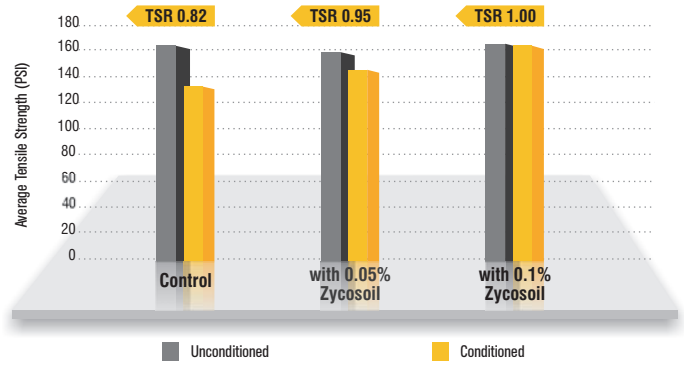
ZYCOSOIL BENEFITS

- Improves mix tensile strength and Marshall Stability, maintaining flow value
- Enhances moisture and Rut resistance
- Higher compaction on field by 1-1.5 %
- Odorless work environment
- Cleaner equipment
- Non corrosive
- Reduces oxidation of asphalt binder, enhances pavement life

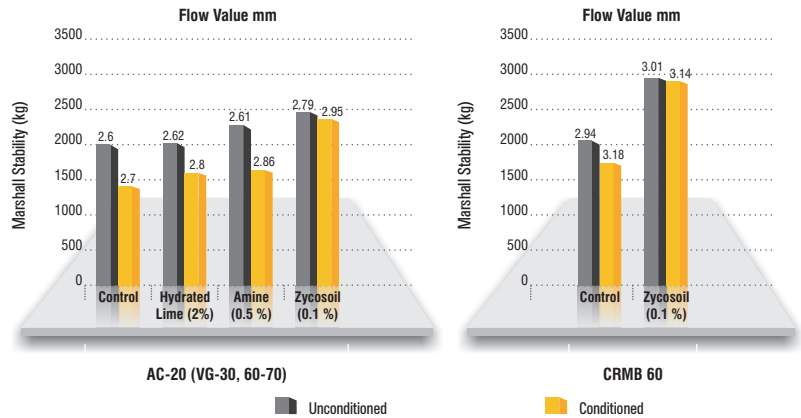
» Eliminates Stripping by Chemical Bonding



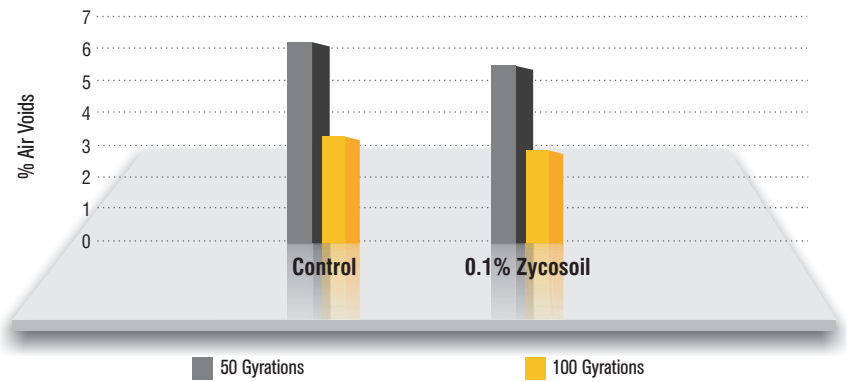
» Increases TSR (AASHTO T283) indicating improved moisture resistance



» Improves Marshall Stability, maintaining flow values (ASTM D1075 / AASHTO T165)



» Improves and gives consistent compaction



» Stable for 15-30 days

4.9% Asphalt Binder, Maryland Aggregates, USA

DOSAGE

Zycosoil is dosed at 0.05 - 0.1% by weight of asphalt binder in the asphalt binder tank. Stir the asphalt binder once for mixing.

STORAGE AND SHELF LIFE

Zycosoil 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.

ZYDEX : SUSTAINABILITY THROUGH INNOVATION

ZycoTherm / Zycosoil
Warm / Hot Mix

Nanotac
Tack Coat

Terraprime
Prime Coat

Terrasil
Soil Waterproofing

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