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Innovation Centre

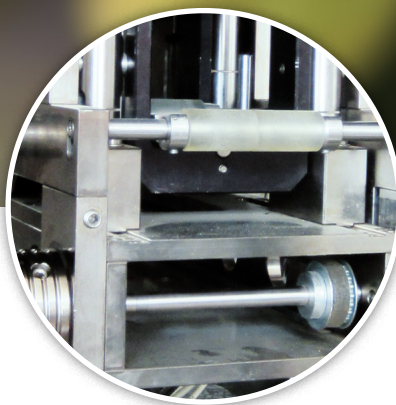
RHEOFALT HP-AM

THE SMART MODIFICATION

Recycling Asphalt



Pen Corrector



Rejuvenating Emulsion



RHEOFALT HP-AM

THE NATURAL MODIFICATION TO SOFTEN HARD BITUMEN



01

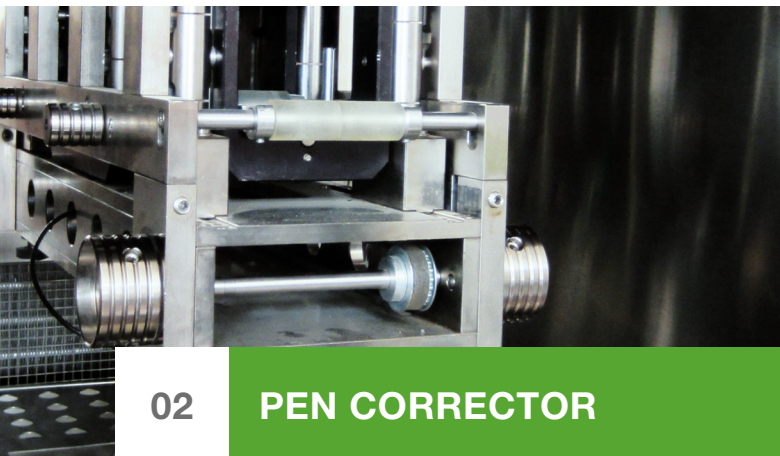
RECYCLING ASPHALT

Recycling Asphalt

RheoFalt HP-AM is a vegetable resin additive used for 100% recycling of asphalt. Rejuvenates asphalt to its original properties. No compromise to quality. Reduction in costs and use of virgin materials.

- ✓ 100% Natural liquid additive
- ✓ Easy to dose
- ✓ Better control of production parameters

RECYCLING ADDITIVE UP TO 100%



02

PEN CORRECTOR

Pen Corrector

A natural modification to soften hard bitumen.

Makes it possible to modify every type of bitumen to the required penetration and properties.



03

REJUVENATING EMULSION

Rejuvenating Emulsion

The Performance modification

The regeneration treatment for your asphalt mix, without making use of petrochemical products.

01. RECYCLING ASPHALT

RheoFalt HP-AM:

- restores the old bitumen or RAP when they have lost their essential components
- has been developed to improve the characteristics of weathered, hard bitumen
- limits the use of **new** materials, meaning a reduction of greenhouse gases and energy - less impact on the environment!

The availability and quality of raw materials will vary in the future. High recycling rates will be necessary. RheoFalt HP-AM gives you the opportunity to recycle up to 100% of your raw materials.

Advantages

- ✓ *Increases the penetration of bitumen*
- ✓ *Improves the physical adhesion on the minerals*
- ✓ *Reduces the weathering of bitumen*
- ✓ *Enhances the workability of recycled asphalt*
- ✓ *A more homogeneous end product*
- ✓ *Easy to dose in nearly all asphalt plants*



100% natural

RheoFalt HP-AM is a biopolymer natural resin that does not contain any flux oils or light volatile components. The polymer is fully synthesized from sustainable raw materials.

02. PEN CORRECTOR

A modification to soften hard bitumen

Penetration correctors often have a plasticizing effect on bitumen which makes it unsuitable for asphalt mixes. RheoFalt HP-AM is insensitive to overdosing. Even with addition rates of more than 25%, RheoFalt HP-AM behaves as a binder and not as oil or wax. This makes it possible to modify every type of bitumen to the required properties.

**RHEOFALT HP-AM THE REACTIVE DIRECT
POLYMERIZED CNSL REJUVENATOR**

Patent Pending



**Penetration
Correcting
Additive**

RheoFalt HP-AM is a liquid biopolymer which is 100% solid. The bio polymer resin is fully compatible with hot bitumen. Due to the Maltene characteristics of the polymer it readily blends in weathered bitumen as well as in virgin binders.



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03. EMULSION ADDITIVE

RheoFalt HP-AM can be used in combination with bitumen, naphthalene oils, hydrocarbon resins or waxes to be used in warm emulsions for rejuvenating or repairing old asphalt.

By impregnating the weathered surface, the lifespan can be prolonged by two to five years.

The combination of weathered bitumen and RheoFalt HP-AM blends are fully recyclable.

VENTRACO

INNOVATION CENTRE
AMSTERDAM BV

Asterweg 121
1031 HM Amsterdam

Postbus 37217
1030 AE Amsterdam

T +31 (0)20 665 22 90
E info@ventraco.nl

