

MasterLife® PAV 130

Emulsifier for the Production of Cationic and Anionic Bitumen Emulsions

Material Description

MasterLife® PAV 130 is a liquid emulsifier for the production of cationic and anionic bitumen emulsions.

Areas of Application

- For the production of anionic (alkaline) bitumen emulsions which are mainly processed to coatings for sub-surface building sealing.
- As emulsifier for cationic (acidic) bitumen emulsions e. g. for road construction and maintenance.

Characteristics and Benefits

- Suitable for production of 1 and 2 component systems.
- Excellent emulsion stability and broad workability.
- Suitable for the production of emulsions with pH 2 – 14.
- Emulsions may easily be processed with organic and inorganic thickener.

Dosage and Processing

The dosage depends on application, type of emulsion and desired stability of the bitumen emulsion. For the production of the emulsions high-shear emulsification equipment (e. g. colloid mills) is recommended.

Guide formulation for a stable anionic base emulsion for building sealing;

Content	Consumption(% by weight)
Bitumen B 70/100 E	60 %
MasterLife® PAV 130	1,5-2,6 %
Defoamer	0,05-0,1 %
NaOH	0,20 %
Inorganic thickener (e.g. Bentonit)	0,80 %
Water	Remaining %
pH Value of the Emulsion	Approx. 12

For the production of emulsions high-shear emulsification equipment (e. g. colloid mills) is recommended.

Guide formulation for cationic bitumen emulsion;

Content	Consumption(% by weight)
Bitumen B 50/70	50-60 %
MasterLife® PAV 130	0,3-1,6 %
HCl	Approx. 2-4 %
Water	Remaining %

For the production of cationic bitumen emulsions the required dosage strongly depends on the desired setting properties of the bitumen emulsion (> 1 % for use in special formulations e. g. re- cycling emulsions) and should therefore be evaluated in suitable lab tests.

Packaging

MasterLife® PAV 130 is available in 1000 kg IBCs and 200 kg barrels.

Technical Properties	
Apperance	Clear, Yellowish
Viscosity (23 °C)	Low viscous
Specific Gravity (20°C)	0.95 - 1.05 g/cm ³
pH Value	7.5 - 14
Active Content	29.0 - 31.0 %

MasterLife[®] PAV 130

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Shelf Life

12 months if stored according to manufacturer's instructions in unopened container.

Storage

If it becomes turbid below 5°C, this is corrected by heating and has no effect on performance.

Health and Safety

For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapor until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of

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Contact

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