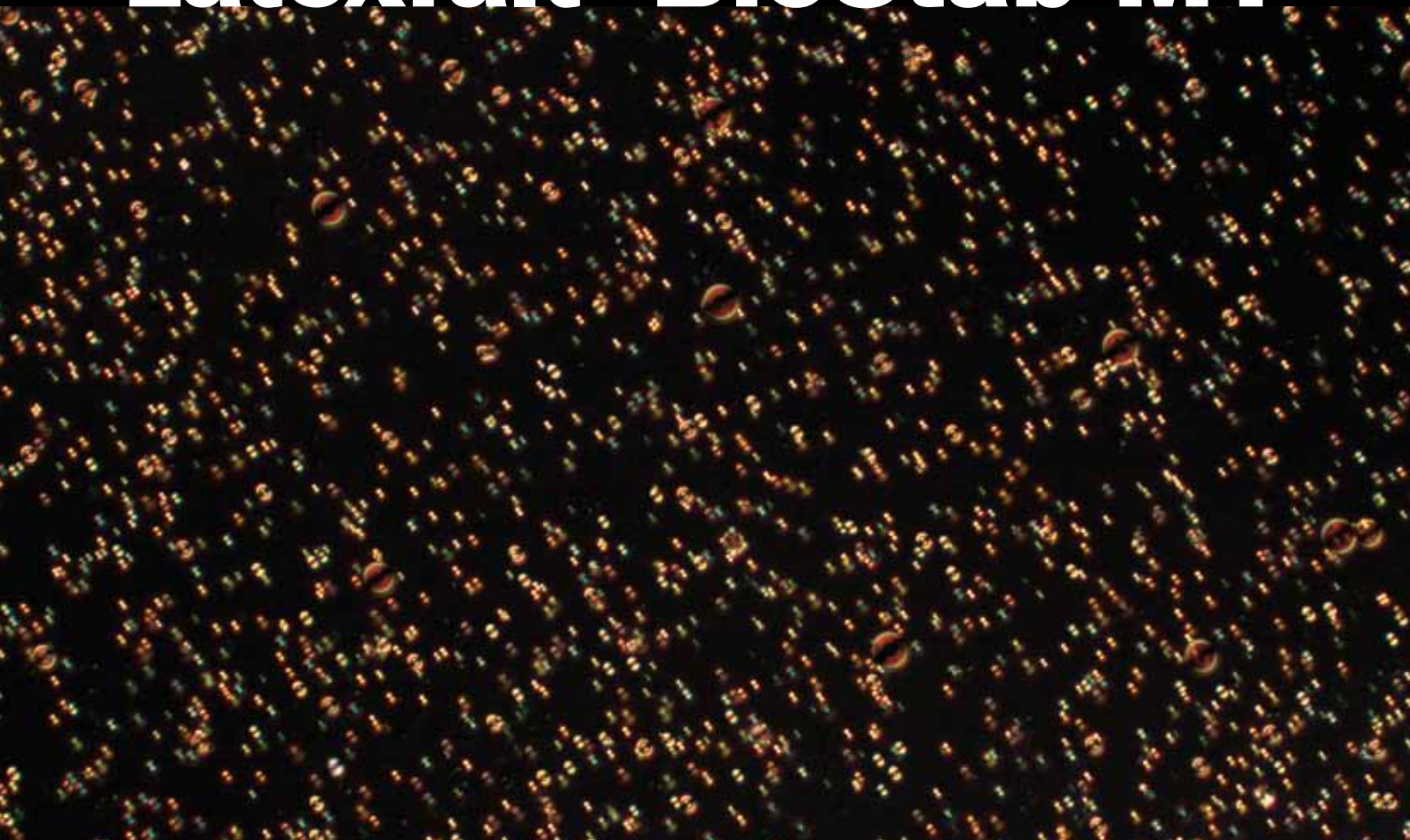


# Latexfalt® BioStab MY



A bio-based emulsion stabilizer



Pen 20 - 30  
bitumen emulsion  
without BioStab MY  
(6 months old)

Pen 20 - 30  
bitumen emulsion  
with BioStab MY  
(6 months old)

## LATEXFALT® BIOSTAB MY - BIO-BASED MASTER BATCH FOR STABILIZATION OF CATIONIC [BITUMINOUS] EMULSIONS

### BIO-BASED EMULSION STABILIZER

Latexfalt® BioStab MY is a very effective multi-component master batch for the stabilization of cationic emulsions. This paste-like emulsion stabilizer is entirely derived from natural feedstock. In combination with standard cationic emulsifiers [for example betaine, amido-amine or di-amine emulsifiers] the sedimentation of [bituminous] emulsions is strongly reduced even at low emulsifier concentrations, resulting in superior storage stability. The use of Latexfalt® BioStab MY also allows the production of new highly polymer modified emulsions or emulsions derived from low penetration grade bitumen. The latter is especially of interest for non-sticky [trackless] tack coat formulations.



### EXCELLENT WORKABILITY

Latexfalt® BioStab MY is a multi-component system, which composes of homogeneously dispersed components in a bio-based matrix. This prevents the agglomeration of the polymeric components when added to warm water.

### POSSIBLE APPLICATIONS

- Micro-surfacing now using paraffinic bitumen as source.
- Road coatings [colored].
- Colored mortars, colored flooring systems.
- Sealing bitumen coatings [to increase shelf life of existing surfaces].
- Water proofing systems.
- High elasticity colored binders for asphalt, concrete, wooden bridges, etc..
- Non-sticky, high modulus tack coats.
- Storage stable emulsions, with a reduction of emulsifier.
- Industrial applications, e.g. underbody coatings.
- Bio-version of the colored emulsions.

### DOSING

For bituminous emulsions, the aqueous phase can be prepared according to your standard working procedures. Latexfalt® BioStab MY is then dispersed in this aqueous phase at 45 - 70°C, under progressive stirring for 10 - 15 minutes, before emulsification. The advised concentrations of Latexfalt® BioStab MY mentioned below are the weight concentrations in the aqueous phase and not the weight fraction in the total emulsion.

Bitumen grade [mm/10]	Emulsion Solid content	End-use	Latexfalt® BioStab MY
70 - 100 or 160 - 220	+/- 40 - 60%	[Very] fast breaking tack coat emulsion	0.07%
70 - 100 or 160 - 220	+/- 60 - 70%	Surface dressing & micro-surfacing emulsions	0.07%
35 - 50 or 40 - 60	+/- 40 - 60%	Non-sticky [trackless] tack coat formulation	0.14%
70 - 100 or 160 - 220 [high polymer content]	+/- 60 - 70%	Surface dressing, tack coat & micro-surfacing emulsions	0.14%
10 - 20 or 20 - 30	+/- 40 - 60%	New non-sticky tack coat & waterproofing formulations	0.20%

This information is subject to change and the data are only indicative values for the amounts to be used. Please conduct small scale laboratories trials prior to using the product in a large scale production unit. Latexfalt co-workers would be glad to assist you with the development of a suitable formulation for your manufacturing unit.