

Technical Data Sheet

Description

BituLube is an emulsion that provides construction contractors with an efficient, environmentally friendly alternative to traditional release agents.

Diluted BituLube is sprayed onto the wheels or drums with every pass when compaction is initiated.

Instead of maintaining a constant spray on the wheels or drums, as is customary when water is used, the spray frequency can be reduced once no further pick-up of fine aggregate is evident and resumed only when pick-up is noticed again.

It is possible to reduce the application rate from constant spraying to spraying only once every 3 to 4 roller passes after the pneumatic wheels become saturated.

The use of BituLube is highly effective and results in a substantial reduction in water usage on both pneumatic tyre rollers and steel drums.

Temperature differentials between the mat and the roller surface are reduced from more than 50 °C, which is typical when water is used as the release agent, to less than 20 °C. This limits cooling of the mat and improves compactability.

Dilution Ratio

A 1:1 dilution ratio with water can be effective.

Technical Data

Property	Units	Specification	Typical Value
Appearance		To match standards	Creamy white to yellowish fluid
pH		6.5 - 9.0	
Viscosity at 25 °C (6 mm DIN Beaker)	Seconds	-	5.5
Solids content	Mass %	49 - 50	
Shear stability (hand)		Pass	Pass
Shear stability (pump)	Mass %	-	0.1

STORAGE, HANDLING & WARRANTY CONDITIONS

To maintain product quality and warranty cover:

- Product to be stored under roof, protected from freezing, excessive heat, and direct sunlight.
- Follow a Dilution rate of (1:1), as per recommendation, stipulated within TDS. After dilution :
Diluted product to be used timeously and mixing is done as product is needed, mixed product not to be rolled over to the next day.
 - Product will become unstable and unsuitable for use, when stored after diluted, as per prescribed 1:1 dilution rate.
- Do not blend, modify, or otherwise alter the product unless expressly approved by the manufacturer in writing.
 - Any product that has been modified outside the manufacturer's approved instructions may fall outside the manufacturer's warranty.
- If the emulsion separates, becomes lumpy, or otherwise changes in appearance or consistency, do not attempt to rework or reactivate the product without technical guidance.
 - Contact Advanced Polymers for assessment and assistance
- Any suspected product defect must be reported to Advanced Polymers within seven (7) days from first use.
 - The manufacturer reserves the right to inspect the product and its storage, handling and use conditions and may use retained samples to investigate the claim.
- For technical assistance regarding storage, handling, pumping, dilution, or product use, please contact Advanced Polymers before proceeding where there is any uncertainty.

This document should be read together with the related manufacturer's MSDS.