ASKCHEMICALS

BIOLIN 100

Hydrophobic copolymer resin based on linseed oil

Product properties

BIOLIN 100 is a solvent-free copolymer resin based on renewable materials. Due to its high content of unsaturated double bonds and the hydrophobic polymer backbone BIOLIN 100 features a rapid air-drying with excellent final hardness. BIOLIN 100 contains no siccative and therefore cobalt free or cobalt driers can be used. BIOLIN 100 can be used as 1K resin to formulate air-drying jointing compounds and sealants. Its distinct wetting behavior with various substrates like quartz sand and rubber granules is just one further advantage.

Jointing compounds and sealants based on BIOLIN 100 are characterized by a simple workability. The cured material shows good weather- and saponification-resistance, a high final hardness and a very good flank adhesion. The porous structure of the cured jointing compound lets the rainwater pass through and prevents thereby waterlogging. Additionally, it acts as barrier which suppresses the weed growth formation within the joint.

Application

- Resin for formulation of air-drying jointing compounds and sealants.
- Add appropriate siccatives before using.
- Mix the BIOLIN 100-formulation with sand etc. (recommended resin amount: ~3 Wt.% referred to sand)
- Store the resin-sand mixture under vacuum or under inert gas conditions.

Analytical data

- Solid content: 100 %
- Oil length: approx. 50 %
- Type of oil: Linseed oil
- Viscosity: 3-10 Pa.s, 20 °C

Packaging and storage

- Packaging: 180 kg drum │ 900 kg IBC │ tank car
- Minimum shelf life: 6 month in closed original packaging.
- Detailed health and safety information please find in the corresponding safety data sheet.

ASK Chemicals GmbH | Reisholzstraße 16-18 | 40721 Hilden | Phone: +49 21171103-0 | specialties@ask-chemicals.com | www.ask-chemicals.com

BIOLIN 100

Starting formulation

Formulation based on BIOLIN 100 with siccative

Position	Product	Wt. %	Supplier
A	BIOLIN 100	98,5	ASK Chemicals
B	Dynasylan 6498	0,5	EVONIK
C	Co-octoate	1,0	Overlack
		100,00	

Mix A – C with stirring and stir for further 10 minutes.

Position	Product	Wt. %
A	Sand	97,0
B	BIOLIN 100-formulation	3,0
		100,00

Mix A – B with stirring and stir for further 10 minutes. Store the resin-sand mixture under vacuum or under inert gas conditions.

BIOLIN 100 as curable resin for the formulation of jointing compounds

Starting formulation based on BIOLIN 100 with sand of any grain size leads to an air-drying jointing compound that cures rapidly after application and compaction. The cured material is weather-resistant, shows a good flank adhesion, and moreover, reduces the weed growth within the joint. Due to the porous structure of the cured jointing compound, rainwater can pass through and waterlogging is prevented.

ASK Chemicals GmbH | Reisholzstraße 16-18 | 40721 Hilden | Phone: +49 21171103-0 | specialties@ask-chemicals.com | www.ask-chemicals.com