



Description:

Versabind is a high fineness, ecofriendly hydraulic binder. It is made of silicates and calcium sulphate.

Uses and applications:

Versabind can be used as an asphalt antistripping additive to improve the aggregate's adherence in hot asphalt mixtures, replacing lime or Portland cement.

Physicochemical properties:

Chemical properties (%)	Versabind
SiO ₂	< 11.0
Al ₂ O ₃	< 2.2
CaO	< 55.0
SO ₃	> 30.0
Alkalis as Na ₂ O	< 0.5
Loss on ignition	< 6.0

Physical properties	Method	Versabind
Fineness in 325 sieve (%)	ASTM C-430	> 95
Density g/cm ³	ASTM C-188	3.0
Blaine (cm ² /g)	ASTM C-204	> 6800
Initial setting time (minutes)	ASTM C-191	20-30
Final setting time (minutes)	ASTM C-191	200-235
Mortar expansion in water at 14 days (%)	ASTM C-1038	< 0.06
Compressive strength at 3 days (kg/cm ²)	ASTM C-109	> 115
Compressive strength at 28 days (kg/cm ²)	ASTM C-109	> 200

Note: Values have been obtained in controlled laboratory conditions and may vary according to the environmental conditions.

Advantages:

In asphalt applications, Versabind is less expensive than Portland cement and hydrated lime and it can be used to replace either or both when price or availability are an inconvenience to its use. Unlike lime, Versabind does not generate dust during its application.

Recommendations for use:

To determine the dosage and optimal performance based on the type of aggregates, previous laboratory testing and dosage by weight is advised.

Recommendations for transport:

- Remove from platforms nails or materials that may damage the bags.
- Use belts or bands to secure the bags; if ropes are used, place protectors in the friction surfaces.
- When using a service lift observe that the blades do not harm the pallets nor the bags.
- To lift or move a bag, hold from below with both arms.
- Use big enough platforms, pallets or wheelbarrows to prevent the bags from sticking out.

Recommendations for storage:

- Cover the bags, store them in dry places and avoid long storage periods (more than 3 months.)
- Place the bags preferably on pallets or clean, flat surfaces.
- Avoid nails, bumps or broken pallets or platforms.
- Use the bags that have been in storage the longest.
- Arrange in piles, leave a 5cm space in between each pile.

Available in:

- 50 lb. bag
- Bulk

Precautions:

Versabind dust contains materials that can cause throat, eyes and skin irritation. Avoid direct contact. The use of the appropriate glasses, gloves and mask is advised. Wash the exposed parts of the skin with water. If any dust gets into the eyes, flush immediately and repeatedly with water for 10 minutes and get prompt medical attention.

The specifications and properties of this product are not limited. If you require any special characteristics please contact GCC Technical Assistance to get further guidance.

