FIXWOOL COATING 145

INSULCON
LEADER IN HIGH TEMPERATURE SOLUTIONS

TECHNICAL DATASHEET

LEADER IN HIGH TEMPERATURE SOLUTIONS

Description

Fixwool Coatings are specially developed for use with many fibre insulation products. **Fixwool Coating 145** protects the hot face of fibre linings against gas velocity, flame impingement and shrinkage. Fixwool Rigidizers are specially developed hardening solutions that are used to protect exposed fibre surfaces against gas velocity or turbulence and also can be used to provide a higher degree of strength and hardness throughout fibrous products.

General characteristics

Fixwool Coating 145 has the following outstanding characteristics and advantages:

- High temperature stability
- Very good homogeneity
- Excellent thickness uniformity
- Easy to apply
- Good shelf life

Typical applications

- Protect fibre linings against corrosion and abrasion
- Insulation and protection for metallic surfaces
- Hot gas erosion resistant coating in furnaces and ducts
- Structural hardening agent for boards

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

Shelf Life & Storage

Fixwool Coating 145 can be stored for up to 12 months. All based on unopened containers kept in cool dry storage conditions. Storage between 5 and 20°C is recommended. Excessive heat or cold will adversely affect shelf life.

Handling Information

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

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Typical product parameters

Fixwool Coating 145	
Typical Chemical Analysis (dry wt. %)	
SiO_2	-
Al_2O_3	-
$Na_2O + K_2O$	-
$Fe_2O_3 + TiO_2$	-
CaO + MgO	-
Physical Properties	
Colour	Grey
Use Limit (°C)*	1450
Shelf life (months)	12
Application	
Supplied	Ready to use
Consumption (kg/m^2)	-
Consumption (litres/m^2)	0,5-1.0
Application method	Spray

*The maximum continuous use limit temperature for these products depends upon operating and application conditions. For certain applications operational temperature limits may be significantly reduced. For assistance or clarification please contact your nearest Insulcon office.

Preparation and use of coatings

Fixwool Coating 145 is a mullite based surface coating, ideal for use on fibrous insulation and light-weight refractory materials (either new or fired surfaces). Upon firing the coating (typical thickness 1.5mm) forms a hardened encapsulating shell that resists high gas velocities and flame impingement. Preparation requires the contents to be mixed well with an electric stirrer. The hard, solid contents in the base of the pail may need to be broken up into pieces before the cement can be mixed properly. We suggest the use of a mixing paddle with cutting/ mixing blades. Adequate ventilation is required during spray application and precautions should be taken against particle inhalation.

Availability

Packaging	**Fixwool Coating 145**
20 kg pail	✓

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