KOSTER Turbo Binding Agent

Technical Data Sheet C 716 025

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Fast setting special binding agent for mortars with high early strength development

Features
KOSTER Turbo Binding Agent is a cement developed with calcium sulfoaluminate clinker. Mortars made with KOSTER Turbo Binding Agent develop high early strength and exhibit low shrinkage. They can be quickly worked over and have an early loading capacity. During production, approximately 30% less CO_2 is released than pure portland cement.

Technical Data

Recoatable (70°F)	After approx. 30 min.
Compressive strength (3 hr)	≥ 2100 psi
Compressive strength (1 d)	≥ 2900 psi
Compressive strength (7 d)	≥ 4300 psi
Compressive strength (28 d)	≥ 5000 psi
Pot life (70°F)	Approx. 15 min.

*All values represent when mixed with sand at a ratio of 1:3 by weight and with a water-cement ratio of approx. 0.4.

Fields of Application
KOSTER Turbo Binding Agent is designed for mixing with sand for application in areas that require early use such as floors, streets, and driveways.

Substrate
The surface must be sound, solid, and free of oil, grease, old adhesive, and cement residue. The pull off strength of the substrate must be at least 215 psi. Before application, dampen the substrate. Avoid standing water. Prime absorptive and salt contaminated substrates with KOSTER Polysil TG 500.

Application
General:
Mix 1 part KOSTER Turbo Binding Agent with 3 - 5 parts masonry sand by weight, according to maximum aggregate size and required strength. Add water to a maximum water/binding agent ratio of 0.5.

Mix 15-25 lb water (allowing for the measured sand moisture content) with 55 lb KOSTER Turbo Binding Agent and 220 lb screed sand. Mix for at least 3 minutes with a screed or mortar mixer until a homogenous consistency has been reached.

Additional components per 55 lb bag of KOSTER Turbo Binding Agent
KOSTER Turbo Retarding Agent 22.5 g
Addition to the freshly mixed mortar; increases pot life by approx. 20 minutes. Add a maximum of 3 units.

KOSTER Turbo Superplasticizer 65 g
Mix 4 qts water with a 55 lb bag of KOSTER Turbo Binding Agent. Add the KOSTER Turbo Superplasticizer and mix for at least 3 minutes, until a flowable consistency has been reached.Apply the material immediately after mixing.

KOSTER Turbo Corrosion Protection 100 g
For use with direct contact to metal. Mix a maximum of 4.2 qts of water to a 55 lb bag of KOSTER Turbo Binding Agent.

Aftertreatment
Cure the installed material by covering with polyethylene sheeting.

Coverage
Approx. 0.5 cubic ft per bag.

Cleaning
Clean tools immediately after use with water.

Packaging

C 716 025	55 lb bag

Storage
Store in a cool, dry place. In originally sealed packaging, the material can be stored for a minimum of 6 months.

Safety
Consult Safety Data Sheet. Always wear proper personal protective equipment when handling this product.

Limited Warranty
KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

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