

PENTENS T-805

Standard Non-Shrink Grout

Product Data Sheet

Description

PENTENS T-805 is a ready to use rich blend of cements and shrinkage compensating agents requiring only the addition of water to produce a free-flowing, high strength grout.

Uses

PENTENS T-805 is suitable for the grouting works with clearance of min. 8mm or more, such as:

- Crane rails
- Structural Columns
- Cable ducts
- Concrete anchors
- Honeycomb Repair
- Anchorages
- Recesses

Benefits

PENTENS T-805 is an easy to use cement grout:

- Easy to use
- Low permeability
- Non-shrink
- Excellent bond strength
- Chloride free
- Pumpable
- Non-toxic
- Excellent work time
- High strength
- Good flow

Important Note

1. In case of contact immediately flush eyes with water for 15 minutes and Call physician. Material releases acetic acid during cure. Use with adequate ventilation.
2. Apply only to clean, surfaces should be free of surface water and leaks.
3. Minimum ambient and substrate temperature is 5°C.

Technical & Physical Information

Form	Ready Mix Powder	
Colour	Grey	
Aggregate Size	2.0 mm maximum	
Compressive Strength (n/mm ²)(ASTM C942-81)		
Water content (Lts)	4.1	
1 day	> 30	
3 days	> 45	
7 days	> 55	
28 days	> 65	
Density	2.15 (gm/cm ³)	
Water absorption % (ASTM C 413)	< 1%	
Tensile Strength (n/mm ²) (ASTM C 190)	> 4.0	
Typical adhesive strength to concrete	3 n/mm ²	
Initial set time	+/- 1hr	
Expansion (ASTM C 827)	0.1 ~ 2%	
Expansion Period (mins)	0 ~ 150	
Mixing Ratio Guide	Consistency	Water(litres) (per 25kg of Grout)
	Flowable	4.0 – 4.4
	Pourable	3.6 – 4.0
Application Criteria	Max thickness : 80 mm Min thickness : 8mm	
Shelf Life/storage	12 months in unopened original bags and when stored in a dry cool place.	
Packaging	25kg / bags	

Typical Yield

	Flowable Consistency	Pourable Consistency
PENTENS T-805	73 x 25 kg / bag	75 x 25 kg / bag
Water	300 litres	301 litres
Volume Mortar	1 m ³	1 m ³

Instruction of Use**Surface Preparation**

Concrete surfaces should be clean, sound and free from oil, grease, laitance and loosely adhering particles.

Mixing

Pour clean water (ref to data sheet) into a clean container and gradually add the whole bag of PENTENS T-805 into it while continuously mixing. Add remaining water until the desired consistency is obtained. Mix for 3 minutes with a slow speed drill.

Application

Grout should be placed within 25 minutes of mixing. The grout is then poured immediately into the prepared formwork, place continuously from one side of the formwork until appear at the opposite side of the grout area.

Curing

Leave the formwork in place for at least 72 hours. Upon removal of the formwork. The temperature of the grout must be kept at a min. 5°C.

Cleaning

Clean all tools and equipment with water immediately after use.

Safety

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.