



PRODUCT DATA SHEET

TSL-Engineer Admixture-777

3 In 1 (Multipurpose Product) Waterproofing compound for concrete, Repairing, Banding Agent mortar & plaster water reducing cum admixture, Water Proofing & Reducing

Type: PCE Based Water Reducing Super plasticizing Set Retarding Concrete Admixture

What does PCE Means?

Answer: PCE (poly carboxylate-based admixture) is the latest generation of high-performance admixture used to improve the properties of concrete. It is a type of concrete admixture known as high-range water-reducing admixtures or superplasticizers. It is composed of an aqueous copolymer of carboxylic acids.

Product Description: It Expands and Extends Your Building's Life.

It Makes Your Building -

1. Damp Proof
2. Corrosion Proof
3. Water Proof

In addition, More.

Without Harming Nature since We Provide eco-friendly products.

WATER REDUCING PLASTICIZING CONCRETE ADMIXTURE

DESCRIPTION

TSL-Engineer Admixture-777 Imparts high workability and gives workability retention.

USES

TSL-Engineer Admixture-777 a superplasticizer for free flowing concrete in floor, slabs, foundations, walls, plasters slender components with dense reinforcement, walls, columns, pavements and other structural and non-structural elements.

Specially recommended for the following types of concrete:

- Ready mix concrete
- Pre cast concrete
- Site batched concrete
- Waterproofing
- Repairing
- Banding Agent

CHARACTERISTICS / ADVANTAGES

TSL-Engineer Admixture-777 produces a more uniformly cohesive high quality free flowing concrete. It has following advantages:

- Improved water reduction.
- Improved strength and density
- Improved consistence retention
- Improved durability
- Improved water tightness/ water proofed concrete

PRODUCT INFORMATION

Improved surface finish

- Improved cohesion properties
- Suitable for hot weather conditions
- Water reduction up to 15-20 % depending on dosage*

This will depend on dosage and mix design

Composition	Polycarboxylate Ether (PC)
Packaging	10kg, 20kg (bucket) and 250kg (drum).
Appearance / Color	Brownish Orange
Shelf life	24 months from date of production if stored properly in undamaged un- opened, original sealed packaging.
Storage conditions Protect	Store in dry conditions at temperatures between +10°C and +40°C. From direct sunlight and frost.
Density	~1.17 kg/l at 25°C
PH-Value	≥ 3~7
Specific Gravity - Chloride Content (%) -	1.06_+0.02 at 25 degrees Celsius Less than 0.1(W/W)

Assurance of the highest quality in collaboration with GERMAN technology & formulation by United Arab Emirates.

APPLICATION INFORMATION

Recommended Dosage

Standard dosage will vary from 0.5% to 1.5% by weight of cement. Exact dosage rates are dependent on the quality of cement, aggregates, water/cement ratio and ambient temperature. Therefore, in many cases it may vary. is advisable to carry out trial mixes. Higher dosage may be used if agreed by engineer and Consultant. Stir well before use.

Compatibility

TSL-Engineer Admixture-777(PCE) may be combined with many other TSL-Engineer products. Important: Always conduct trials before combining products in specific mixes and combinations. Compatible with all types of cement and cement- tedious material

Product Data

Sheet TSL-

Engineer

Admixture-777

January 2024, Version 01.01

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APPLICATION INSTRUCTIONS

DISPENSING

TSL-Engineer Admixture-777 can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added.

The addition of TSL-Engineer Admixture-777 to dry aggregate or cement is not recommended. To achieve optimum performance a minimum wet mixing time, which is depending on the mixing Conditions and the mixer performance, of 60 seconds is recommended.

IMPORTANT CONSIDERATIONS

Excessive water addition or overdosing may cause bleeding or segregation. Overdosing may cause extension of initial and final setting times.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of TSL-Engineer products, are given in good faith based on TSL-Engineer current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with TSL-Engineer recommendations. In practice, the differences in materials, substances and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. TSL-Engineer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Application -

SL No.	Type of Work	Bag Cement
01	ETP Concreate/Plaster mortar	200ml – 250ml
02	Water Treatment Plant	200ml – 250ml
03	Basement mat Concrete	200ml – 250ml
04	Return in wall concrete /mortar	250ml – 350ml
05	Water Tank Concrete	250ml – 350 ml

APPROVALS / CERTIFICATES

- **International ISO Certified - Dubai Accreditation Center ISO 9001: 2015 Certified**
- **Bangladesh Department Of Environment Certified**
- **Bangladesh Fire Service & Civil Defense Certified**
- **Bangladesh Fire Service & Civil Defense Certified**
- **Our Products Are Also Tested By Buet**

Our product Chemicals by

Castech pvt. Ltd.

CasTech International is a group company specialized in Construction Chemicals and Building Materials, whose subsidiaries are well established in Australia, Vietnam, Middle East, and China, and are operated by an internationalized strong expert team with members from Korea, Japan, Singapore, Australia, and China.



TSL-Engineer Admixture -777
20 kg



TSL-Engineer Admixture - 777
10 Kg



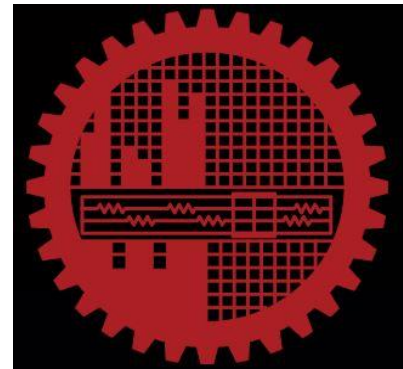
TSL-Engineer Admixture -777
250 kg

Our product Chemicals by
Castech pvt. Ltd

Castech International is a group company specialized in Construction Chemicals and Building Materials, whose subsidiaries are well established in Australia, Vietnam, Middle East, and China, and are operated by an internationalized strong expert team with members from Korea, Japan, Singapore, Australia, and China.

APPROVALS / CERTIFICATES





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TSL-ENGINEER ADMIXTURE COMPANY

Product Data

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Simcon@-WPR

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