



Admix - 1

AMTECO ADMIX - 1 is an integral water proofer specially designed for the complete and permanent waterproofing of mass and reinforced structures, ready-mixed and precast concrete, etc

AMTECO ADMIX - 1 防水剂为液体防水材料，专为灰料，钢筋结构，预拌混凝土的粘加剂，它可提高水泥砂浆之防水性与耐久性，并可提高防水材之接著力，使用范围包括水箱，排水沟，浴室地板及围墙，地下室，平台及露台。

AMTECO ADMIX - 1 adalah proofer air penting yang direka khas untuk kalis air yang lengkap dan tetap mas dan struktur yang diperkuatkan, konkrit siap pakai dan konkrit, dsb.

Uses

AMTECO ADMIX - 1 can only apply to sound, clean, dry, well prepared, frost-free surfaces. After mixing with cement, it may be used:

- To improve waterproofing property of concrete.
- **AMTECO ADMIX - 1** drastically reduce water absorption in structural and precast concrete.
- It is recommended to be used in multi-storey basement, tunnel, water retaining / excluding structure, bridge deck, civil and building structure.
- A cost effective means of reducing concrete permeability and thereby reducing water penetration.

Typical Dosage

AMTECO ADMIX - 1 may be dispersed to the gauging water at the rate of 4 liter per 50 kg of portland cement. For serve conditions, the use of **AMTECO ADMIX - 1** allows the reduction of water cement ratio by about 10% without affectings workability (the specified slump ipreserved). In doing so, a higher compressive strength can be achieved.

Dispensing

The correct quantity of **AMTECO ADMIX - 1** should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best result.

Limitations

The use of **AMTECO ADMIX - 1** will not make poor quantity concrete waterproof. Good concrete practice must be followed at all times.

Advantage

- Reduces surfaces adsorption.
- Improved workability and plasticity.
- Minimizes bleeding and segregation.
- Provides integral protection, ensuring reduced permeability throughout the concrete.
- Integral protection is maintained even if surface damage occurs.
- Lower water cement ratio improves compressive.

Mixing

AMTECO ADMIX - 1 should be mixed thoroughly with normal portland cement, white cement or adhesive cement by using a low speed electrical or pneumatic power stirrer. Mixing time is minimum 3-4 minutes until a homogeneous mix is achieved.

Instruction For Use

Compatibility :

AMTECO ADMIX - 1 is compatible with admixture range of retarder and plasticizer or equivalent when used in the same concrete mix, but should be added to the mix separately and must not be mixed together prior to addition. The resultant properties of mixes containing more than one admixture should be assessed by the trial mix procedure recommended on this data sheet.

Trial mix :

Trial mix shall be conducted for concrete intended to utilize **AMTECO ADMIX - 1** to drastically reduce water absorption in a particular concrete structure. The result of the trial mix should satisfy all requirement of normal concrete properties. The use of **AMTECO ADMIX - 1** at typical dosage will illustrate an excellent result on water absorption, as shown in typical performance example.

Surface Preparation

All the substrate must be clean, free from grease, oil, laitance, and remove all the dirt and contaminants, which might affect adhesion. The impurity outside the structure body should be cleaned thoroughly. It is recommended to give substrate a rough or light-broom finish for better bonding strength.

Insulation board

Insulation board must be well protected, clean, dry and free of all bond-inhibiting materials and rasped if necessary before installation.

Safety

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eye, 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 those products.

Fire

AMTECO ADMIX - 1 is water based and non-flammable.

Cleaning and Disposal

Spillage of **AMTECO ADMIX - 1** should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water. The disposal of accordance with local legislation under the guidance of the local waste regulation authority.

Packing

4 litre/jar
20 litre/pail

TECHNICAL DATA

Foam	Liquid
Appearance	Milky White
Specific Gravity	Typical 1.10 at 20°C
Shelf life	12 months when unopened in original packing and stored in a dry cool place.

Note : Consumption may vary depending on surface conditions and application technique.