

Dagangan : PREPARED ADDITIVES FOR CONCRETE Nama Perdagangan : <i>Hycrete W400</i> Jenama : <i>Hycrete</i>	Kod Tarif (Perintah Duti Kastam 2012) : 3824.40 000 Tarikh Kelulusan : 06 Februari 2017
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Keterangan barangan :

Barangan yang dinamakan sebagai Hycrete W400 berupa cecair berwarna kuning.

Hycrete W400 is a concrete admixture that reduces water ingress through concrete. Ordinary concrete absorbs water and dissolved salts through its network of pores., leading to water infiltration and corrosion of steel reinforcement. Hycrete W400 reduces absorption and forms a protective coating around steel reinforcement.

Ianya di import dengan berat 210 liter di dalam tote container packing.

Maklumat mengenai komposisi barangan dalam *Safety Data Sheet (MSDS)* adalah seperti berikut:



MATERIAL SAFETY DATA SHEET
Hycrete W400
Revision Date : 07/06/09

1. MANUFACTURER AND PRODUCT INFORMATION

CHEMICAL NAME:	Proprietary Mixture
PRODUCT USE OR DESCRIPTION:	Moisture Preventative/Anti-Corrosion Admixture-- For use in concrete

2. COMPOSITION/INFORMATION ON INGREDIENTS

WATER	70-85%
HYCRETE CONCENTRATE	15-30%
HAZARDOUS INGREDIENTS	NONE KNOWN

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear Yellow Liquid
ODOR:	Low odor, faint organic ester odor
VISCOSITY:	10-30 cP



Delivering Concrete Solutions

Hycrete W400

DOSING AND MIXING INSTRUCTIONS

Recommended dosage: Replace 1.0 - 2.5 liters of water per cubic meter of concrete with 1.0 - 2.5 liters of Hycrete. Water Cement Ratio including Hycrete should not exceed 0.45.

1. Add Hycrete W400 directly into the mixer loaded with freshly batched concrete. In a central mix plant application, Hycrete W400 may be added into the mixer loaded with freshly batched concrete or during the latter half of the batch sequence.

2. After Hycrete W400 has been added, ensure the load is thoroughly mixed. In a ready-mix application, mix for at least 10 minutes or a minimum of 100 revolutions to provide complete dispersion throughout the mix prior to discharge. Similar to most concrete admixtures, Hycrete admixtures should not come into contact with other admixtures prior to entering the concrete even if diluted in mix water.

Kegunaan barangan ialah *for integral waterproofing and corrosion protection to concrete* iaitu melindungi konkrit bangunan dengan ciri-ciri kalis air.

1. Above and below grade construction
2. Water containment reservoirs
3. Sewage and water treatments plants
4. Secondary containment structures
5. Underground vaults
6. Extra protection for walls and slabs
7. Tilt-up panel walls
8. *Pre-cast components.*
9. *Architestural water features and fountains*
10. *Bridges, dams and highway infrastructure*
11. *Aquatic centers, marinas, and zoos.*
12. *Swimming pools*

Analisis pakar mengesahkan barangan campuran sebatian hydrocarbon termasuk 2,4,7,9-Tetramethyl-5-decyn-4, 7-diol (surface tension reducer) dan 4.9% bahan inorganik yang kebanyakannya sebatian sodium serta sebatian silikon.

Ketetapan:

Ketua Pengarah Kastam Malaysia memutuskan barangan ini sesuai diperjeniskan di bawah kod tarif **3824.40 000** sebagai ***Prepared additives for concrete*** berdasarkan berdasarkan alasan-alasan :

- Berdasarkan *MSDS*, barangan adalah *mixture* yang kebanyakannya air dan *hycrete concentrate*.

- Analisis pakar mengesahkan barangan campuran sebatian hydrocarbon termasuk 2,4,7,9-Tetramethyl-5-decyn-4, 7-diol(surface tension reducer) dan 4.9% bahan inorganik yang kebanyakannya sebatian sodium serta sebatian silikon.
- Kegunaan barangan *for integral waterproofing and corrosion protection to concrete* mendapat liputan secara spesifik di dalam EN HS 2012 muka surat VI-3824-2 hingga VI-3824-3

38.24 - Prepared binders for foundry moulds or cores; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included (+).

3824.10 - Prepared binders for foundry moulds or cores

3824.30 - Non-agglomerated metal carbides mixed together or with metallic binders

3824.40 -Prepared additives for cements, mortars or concretes

This heading covers :

(B) CHEMICAL PRODUCTS AND CHEMICAL OR OTHER PREPARATIONS

With only three exceptions (see paragraphs (7), (19) and (32) below), this heading does not apply to separate chemically defined elements or compounds.

The chemical products classified here are therefore products whose composition is not chemically defined, whether they are obtained as by-products of the manufacture of other substances (this applies, for example, to naphthenic acids) or prepared directly.

The chemical or other preparations are either mixtures (of which emulsions and dispersions are special forms) or occasionally solutions. Aqueous solutions of the chemical products of Chapter 28 or 29 remain classified within those Chapters, but solutions of these products in solvents other than water are, apart from a few exceptions, excluded therefrom and accordingly fall to be treated as preparations of this heading.

The preparations classified here may be either wholly or partly of chemical products (this is generally the case) or wholly of natural constituents (see, for example, paragraph (24) below).

However, the heading does not cover mixtures of chemicals with foodstuffs or other substances with nutritive value, of a kind used in the preparation of certain human foodstuffs either as ingredients or to improve some of their characteristics (e.g., improvers for pastry, biscuits, cakes and other bakers' wares), provided that such mixtures or substances are valued for their nutritional content itself. These products generally fall in heading 21.06. (See also the General Explanatory Note to Chapter 38.)

This heading also excludes mercury compounds (heading 28.52).

Subject to the above conditions, the preparations and chemical products falling here include:

(1)-(2)

- (3) Prepared additives for cements, mortars or concretes, for example, anti-acid additives with a basis of sodium or potassium silicate and sodium or potassium fluorosilicate, and waterproofing preparations (whether or not containing soap), e.g., based on calcium oxide, fatty acids, etc.**

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Berdasarkan struktur tarif Perintah Duti Kastam 2012, barangan mendapat liputan seperti berikut:

38.24 - Prepared binders for foundry moulds or cores; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included (+).

3824.40 -Prepared additives for cements, mortars or concretes