



## *Hydraplast A*

### *Water Reducing and Plasticizing Concrete and Mortar Admixture*

#### **Description**

Hydraplast A is a liquid solution of highly purified calcium salts of lignin sulphonic acids. It further contains a preservative as well as a chemical catalyst that will counteract the normal hydration and retarding effects of such admixtures.

#### **Object**

For use wherever high-quality ready-mixed concrete is required. in factories for the production of pre-fabricated concrete elements and in pre-stressed works. Important admixture where conditions for the placing of concrete are difficult; and where concrete has to be pumped quickly and over long distances, vertically and horizontally.

#### **Advantage**

- Allows for significant reductions in w/c ratios while maintaining high workability
- For pre-determined specified compressive strength of concrete, Hydraplast A allows for a reduction in cement content and thus saving on costs
- Reduced permeability of concrete by increasing density
- Improved flow-characteristics
- Improves density, water-proofing

#### **Standard**

Meets • A.S.T.M. C 494 Type A  
• B.S. 5075 Part 1.

#### **Instructions for Use**

Hydraplast A must be introduced into concrete at the batching plant. Accurate dispensing equipment must be used. Such equipment including services thereto are available from ACT Dosages required are generally in order 0.3 to 0.5% of Hydraplast A in relation to cement content of concrete (by weight). The required dosage may be influenced by composition of fillers and aggregates as also quality of cement. A further factor is the exact desired effects that are required.

#### **Overdosing Effect**

Overdosing will generally delay setting time. Avoid disturbing concrete. There is a risk that segregation and bleeding may occur if severe overdosing occurs. Stop further mixing at batching plant until dosing equipment has been checked and re-calibrated. Contact ACT Technical Services.

#### **Physical data**

- Appearance : Brown Liquid
- Density : 1.09 – 1.11 kg./L.

#### **Delivery**

210 L., 1000 L. or by Road tanker.

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#### **Act (Thailand) Co., Ltd.**

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