

CHRYSO® QUAD 487

Water reducing plasticiser

DESCRIPTION

- **CHRYSO® Quad 487** is a plasticiser - high range water reducer, specific to lack of fines and/or unfavourable sand shape factors.
- **CHRYSO® Quad 487** includes some of our most recent polymer technologies.
- **CHRYSO® Quad 487** uses **GRAFT®** (Gap Gradation Fixing Technology), a breakthrough technology, allowing for the use of coarse sand (low fines content).



BENEFITS

- **CHRYSO® Quad 487** is compatible with all types of cement.
- High robustness to water variations.
- Robustness to variable cement chemistries.
- A wide dosage range.
- Excellent water reduction.
- Improves concrete cohesiveness.
- Reduces bleeding and micro-segregation.
- Lowers the risk of cracking.
- Extended workability retention.
- Good concrete cohesiveness.
- Improves aggregate coat.

PHYSICAL and CHEMICAL PROPERTIES

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Water solubility	miscible
Halogen Dry Extract	26,00 % ± 2,00
Cl ⁻ Ions content	≤ 0,100 %
pH	6,00 ± 1,00
Dry extract (EN 480-8)	26,00 % ± 2,000
Specific Gravity	1.075 ± 2
Viscosity	10-25 secs (Ford #4 Cup)

PACKAGING

- 25 l jerry can
- 200 l drum
- 1000 l flow bin
- Bulk delivery on request

METHOD OF USE

- All cement types
- Especially recommended for ready-mix concrete
- Concrete with workability retention
- Crushed washed aggregates

Dosage :

- The optimum dosage of **CHRYSO® Quad 487** can only be established by carrying out trial tests, taking into account local conditions affecting the workability of the fresh mix and the mechanical properties required of the concrete.
- **CHRYSO® Quad 487** is compatible with most CHRYSO admixtures, confirmed by a CHRYSO Quad Lab diagnosis.
- Typical dosage range is between 0.5 to 1.5 litres for 100 kg of cement

Dispensing/Mixing

- **CHRYSO® Quad 487** is completely miscible in water. **CHRYSO® Quad 487** must preferably be added to the water before mixing. However, **CHRYSO® Quad 487** can be added at the end of the mixing cycle.
- Should the product be added to fresh concrete, into a mixing truck, it is necessary to mix at high speed and then at low speed (with a minimum of 3 minutes at each speed).

PRECAUTIONS

Storage

- **CHRYSO® Quad 487** has a shelf-life of 12 months starting from the date of manufacture – provided no other chemicals are added to it.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. za.chryso.com

CHRYSO Southern Africa (Pty) Ltd - Gauteng (head office): 26 Malcolm Moodie, Crescent, Jet Park, South Africa Tél.: +27 (0) 113959700

CHRYSO® QUAD 487

Water reducing plasticiser

- The product should be stored away from rain and frost in clean, dry tanks.
- Should the product freeze, it will retain its properties. After thawing, it will be necessary to agitate thoroughly until a completely homogenous state is reached.
- Do not store in high temperatures for long periods.

SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.