

# CHRYSO® QUAD 527

Water reducing plasticiser

## DESCRIPTION

- **CHRYSO® Quad 527** is a plasticiser - high range water reducer, specific to lack of fines and/or unfavourable sand shape factors.
- **CHRYSO® Quad 527** includes some of our most recent polymer technologies.
- **CHRYSO® Quad 527** uses **GRAFT®** (Gap Gradation Fixing Technology), a breakthrough technology, allowing for the use of coarse sand (low fines content).



## BENEFITS

- **CHRYSO® Quad 527** is compatible with all types of cement.
- Strong water reduction with all aggregates packages.
- Robustness to variable cement chemistries.
- Excellent water reduction.
- Improves concrete cohesiveness.
- Reduces bleeding and micro-segregation.
- Lowers the risk of cracking.
- Extended workability retention.
- Good concrete cohesiveness.
- Improves aggregate coating.

## PHYSICAL and CHEMICAL PROPERTIES

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Water solubility	Miscible
Halogen Dry Extract	29,50 % ± 2,00
Cl <sup>-</sup> Ions content	≤ 0,100 %
pH	6,00 ± 1,00
Dry extract (EN 480-8)	29,50 % ± 2,000
Specific Gravity	1.09 ± 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 527** 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 527** is compatible with most CHRYSO admixtures, confirmed by a CHRYSO Quad Lab diagnosis.
- Typical dosage range is between 0.5 to 2.0 litres for 100 kg of cement

### Dispensing/Mixing

- **CHRYSO® Quad 527** is completely miscible in water. **CHRYSO® Quad 527** must preferably be added to the water before mixing. However, **CHRYSO® Quad 527** 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 527** 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](http://za.chryso.com)

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- 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.