



The solution to sustainable construction challenges

Challenging sands use

New Quad® admixture solutions are the perfect answer to challenging sand types, producing concrete that meets your performance criteria.

Circular economy

Analyzing new sources of supply close to your production site enables you to implement a circular economy approach, identifying the right admixture solution for the use of local aggregates or recycled concrete aggregates from dismantling.

Lower production costs

Optimize production and sand supply costs by using resources closer to home, while improving the quality and performance of concrete using complex aggregates and sands.



Visit the webpage

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Enter the circular economy and its virtuous circle



Challenging sands

IMPACT ON CONCRETE PLACEMENT AND PERFORMANCE

Resource depletion and the availability of new types of sand make sand supply a major challenge.

Quad®: The solution to complex sand use

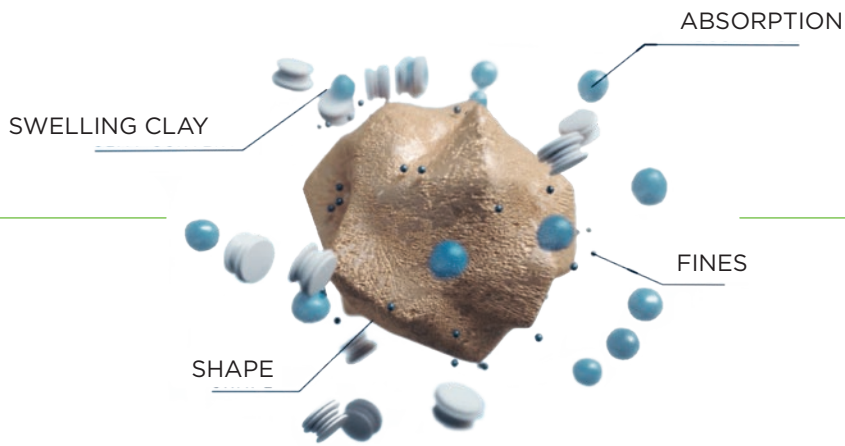
Characteristics and challenges

Low fines content

- Compactness – Porosity
- Slump retention – Bleeding, pumpability issues

High fines content

- Water / admixture needs
- Slump retention – Pumpability and workability
- Productivity – Mixing time



Specific sand shapes

- Water / admixture needs
- Slump retention – Pumpability and workability
- Workability retention
- Productivity – Mixing time

Swelling clay

- Water / admixture needs
- Slump retention – Pumpability and workability
- Workability retention
- Productivity – Mixing time

Because your sand is unique, we offer a tailor-made solution

High fines content
and/or swelling clay



Quad®
700 / 800 / 900 Series

ENSURES EFFECTIVE BINDER DISPERSION

- Enhances the admixture dosage rate (PCP)
- Increases workability retention

REDUCES VISCOSITY

- Improves placement
- Facilitates finishing work

Low fines content
and/or unfavourable shape factors



Quad®
400 / 500 / 600 Series

IMPROVES CONCRETE COHESIVENESS

- Reduces bleeding and micro-segregation
- Lowers the risk of cracking
- Increases workability retention

SIMPLIFIES FINISHING WORK

- Improves aggregate coating

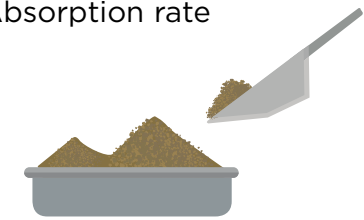


Innovative and fast sand analysis

Quad® Lab

Sand characterisation data:

- Fineness modulus
- Type of sand
- Absorption rate



Identification of swelling clay: Chryso®Clear Test

A leading-edge tool for analyzing sand containing swelling clay: Chryso®Clear Test

Field or laboratory testing

Immediate results

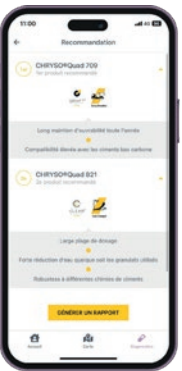
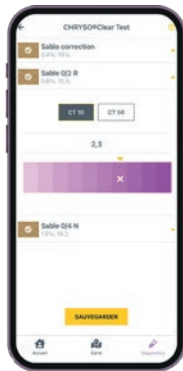
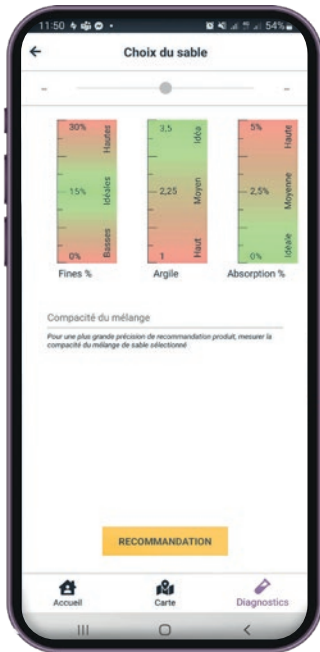


PATENTED TECHNOLOGY

NEW service

Quad® Lab App

We use the data collected to determine the best **Quad®** solution for your specific needs.



Quad® App analyzes new sources of supply in the vicinity of your production site, and identifies the appropriate admixture solution based on performance requirements.