

Quad® 816

Clay mitigating admixture

DESCRIPTION

Quad® 816 is a chemical admixture specifically designed and formulated to meet the needs of the concrete producer. It is designed to selectively react with clay contaminants in both coarse and fine aggregates.

This highly engineered product can eliminate the negative effect of clays in concrete through irreversible chemical reaction. Quad® 816 does not contain TEA or added chlorides. Quad® 816 complies with AS 1478 as a Type SN.

BENEFITS

- Uses latest technology to distinguish between beneficial fines and clay contamination, mitigating negative impact of latter
- Use clay bearing aggregates (natural and crushed) without compromising on concrete performance
- Significantly increases manufactured sand amount in mix design
- Increase utilization of lower quality / clay contaminated aggregates
- Significantly improves concrete performance through lowering water demand and concrete admixtures demand by blocking clay particles

APPLICATION

- Ready mix concrete
- Precast concrete
- Challenging mixes with clay contaminated aggregates

INDICATIVE INFORMATION

Product Nature	liquid
Color	Straw coloured
Lifetime	12 months
Specific gravity (kg)	1,050 ± 0,015
pH	5,50 ± 1,00

PACKAGING

- Bulk
- IBC 1250KG
- 205 L Drum
- Pail

METHOD OF USE

Dosage :

For most clays, dosage of 200 to 300 ml / 100 kg of total cementitious will effectively eliminate the negative effects of clay contamination. A typical dose range is between 200 to 600 ml / 100 kg of total cementitious. These levels can vary due to type of clay (mineralogy) and the level of contamination.

Equipment :

Please contact your local Chryso representative for further information regarding the dispensing equipment for this product.

COMPATIBILITY

- Air-entrainers such as AEA® and LS AEA®
- Water reducers such as WRDA®
- Mid-range water reducers such as MIRA®
- High-range water reducers such as ADVA®
- Rheology modifiers and rheology control admixtures
- When using admixtures in combination, each admixture should be added separately to the mix

PRECAUTIONS

- Quad® 816 should be stored in a shaded area not exposed to direct sunlight
- Should area's storage be exposed to freezing temperatures, provisions should be made for insulating and heating in order to prevent freezing, excess viscosity and to aid pumpability

SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).