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Chryso Demoulding Oils Enhance Final Concrete Finish

Raising the quality of concrete finishes as well as extending the life of formwork are among the many benefits of using demoulding oils when casting concrete.

According to CHRYSO Southern Africa general manager marketing, Hannes Engelbrecht the most important function of release agents or demoulding oils is to permit easy removal of formwork.

“Choosing the appropriate release agent may be critical to the success of a project, as it affects both the quality and colour of the surface finish,” says Engelbrecht.

He highlights that suction or adhesion forces between a precast element and its mould can, for instance, make it difficult to remove without damaging either the concrete or the mould itself. High temperature steam curing is a particular challenge during production in the precast industry.

He says the high quality release agents in the CHRYSO® Dem Range provide greater versatility, are easy to use and facilitate consistent quality.

“These release agents deliver the desired surface finish for the precast concrete element,” he notes. “In the case of timber shuttering or formwork, it also reduces the loss of water from the concrete, due to absorption by the shuttering or formwork.”

The aesthetic impact is enhanced, as the likelihood of imperfections and surface blemishes such as blow holes is reduced, while staining and colour changes are eliminated when applied correctly.

“The cost of a release agent is low in proportion to the mould itself, so simply choosing the cheapest release agent available on the market is false economy,” he emphasises.

The CHRYSO® Dem Range, locally manufactured according to strict prescribed standards, includes a vegetable-based, environmentally-friendly release agent.

This product – CHRYSO® Dem Bio 10 – has low odour and is non-toxic, making it safe to use in confined spaces such as mining, tunnelling and any poorly ventilated area, as well as making it environmentally friendly due to its biodegradability.

DEMOULDING PIC 01 : Demoulding oils, if used when casting concrete, will raise the quality of finishes and extend the life of formwork

DEMOULDING PIC 02 : Demoulding oils (release agents) permit easy removal of formwork

DEMOULDING PIC 03 : High quality release agents such as the CHRYSO Dem Range provide versatility.

DEMOULDING PIC 04 : The CHRYSO Dem Range of release agents delivers the desired surface finish for precast concrete elements.

DEMOULDING PIC 05 : The cost of a release agent is low in proportion to the mould itself, making this a viable option when casting precast products.

DEMOULDING PIC 06 : The CHRYSO Dem Range of release agents is easy to use and facilitates consistent quality.

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