

DSM opts for CHRYSO pre-sealer to enhance façade of acclaimed retirement complex

Concrete blocks supplied by Decorative Stone Masonry (DSM) are being extensively used at Waterfall Hills Mature Lifestyle Estate to add old world charm to the upmarket Sunninghill development. While eliminating the need for future maintenance of the exterior masonry of the homes.

The new luxury facility – being developed by Century Property Developments – won the prestigious *Globals 2011 Award* for the world's best retirement resort. The *Globals Award* is held annually to recognise excellence in over-50s residential housing.

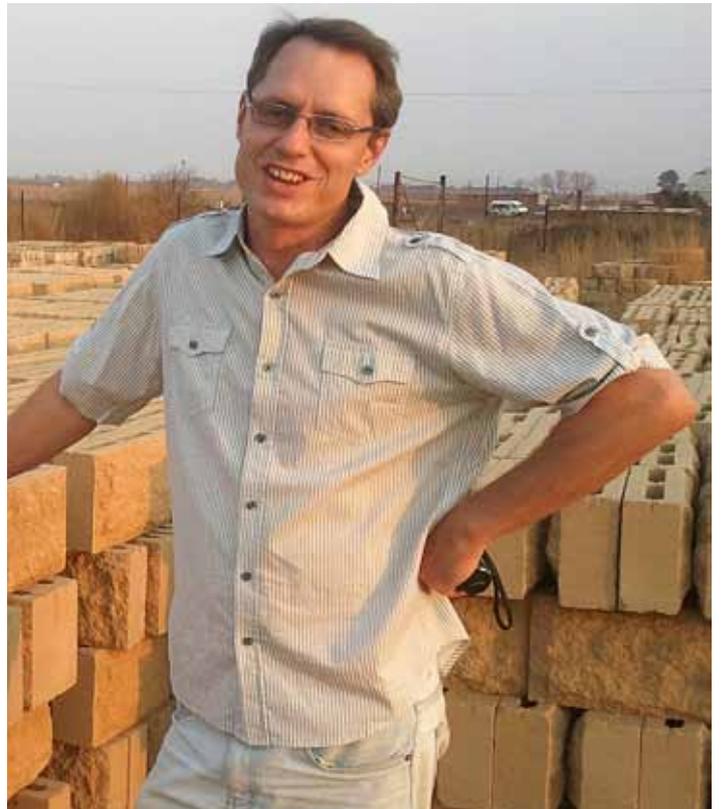
Bapsfontein-based DSM manufactures a unique range of architectural sandstone products from a mix of light blended cement, high graded white silica sand and other ingredients to offer a perfectly natural sandstone façade. The addition of **CHRYSO®Pareflo 20** pre-sealer during the manufacturing process ensures that the blocks are appropriately sealed against water penetration and the long-term damage caused by the harsh South African environment. The pre-sealer also eliminates the occurrence of efflorescence (a white chalky deposit that is problematic with masonry products) and prevents salt attack, mildew, moulds and corrosion under normal conditions.

DSM makes use of a secret moulding process in which ingredients, including **CHRYSO®Pareflo 20** and colouring additives, are dry moulded in an adapted block manufacturing process before being cured in high-tech infra red chambers. Thereafter the rock bolstered range of products are split and chiselled by hand, resulting in a striking chiselled rock look.

The addition of **CHRYSO®Pareflo 20** pre-sealer effectively creates a permanent chemical bond and extends the life of the product by preventing water penetration as well as preserving the sandstone appearance of the product.



One of the residences at the Waterfalls Hills Mature Lifestyle Estate at Sunninghill.



DSM owner, Andrew Beck, says the addition of **CHRYSO®Pareflo 20** pre-sealer has added 'significant value to the end product' of his company's masonry range.

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A close-up of one of the concrete blocks being supplied by DSM to the Waterfalls Hills Mature Lifestyle Estate.

DSM owner, Andrew Beck, says: "Adding **CHRYSO®Pareflo 20** to the DSM product range is a simple procedure, now incorporated as standard on our entire range. It adds significant value to the end-product in terms of enhanced colours and durability and provides a completely maintenance-free and attractive alternative to face brick construction.

"Various architects in South Africa have overlooked masonry as a building medium. The architects at Century Property Developments, however, instantly grasped the opportunity offered by the DSM product. Rather than undertaking a dual process of erecting the structure and covering it with stone cladding, the architects for Waterfall Hills Mature Lifestyle Estate were able to save materials and costs by specifying DSM masonry block products. In addition, the thermally efficient hollow construction of the blocks provides an insulated building envelope which is in line with modern green living philosophy of Century Property Developments," he adds.

Commenting on the DSM manufacturing process, **CHRYSO's** Victor Boardman explains that **CHRYSO®Pareflo 20** is both

alkali- and biologically-stable, and offers long-term durability, without producing any change in the appearance of the concrete stone faces. "It is a cost-effective admixture suitable for pre-sealing coloured decorative walls and pavers, single leaf block walls, retaining and basement walls, damp-coursing, any load-bearing blocks, as well as pavers around swimming pools and other wet areas.

"**CHRYSO®Pareflo 20** substantially reduces water absorption and efflorescence. The degree of water resistance can be varied simply by changing the dosage, and the admixture emits no hazardous material during application. It can easily be incorporated into any existing pressed concrete manufacturing procedure," Boardman says.

Concrete Manufacturers' Association (CMA) member, DSM, manufactures a wide range of masonry products from its East Rand factory. **CHRYSO®Pareflo 20** admixture is now also used to pre-seal DSM's newly-developed and versatile Sentinel retainer wall blocks. These attractive sealed retainer blocks offer an attractive alternative to plain concrete retainer walls.

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