

S L U T I O N S

PROJECT:

*Kwamnyandu Mall
Kwa Mashu, South Africa*

OWNER: KWAMNYANDU MALL

YEAR: 2014



The Details

PROJECT CONTRACTOR:

Aesthcon Construction

PROJECT ENGINEER:

ARUP

MARKET/ENVIRONMENT:

Commercial

SUBSTRATE:

Prepared Concrete

PRODUCT USED:

Five Star® Waterproofing

SIZE OF PROJECT:

1,300 square meters (1,554 square yards)

The Challenge – The concrete parking deck of the Kwamnyandu Mall suffered from rain damage and needed to be repaired and protected from further corrosion.

The Solution – Five Star® Waterproofing with Migratory Corrosion Inhibitor was specified by Five Star Products' Licensee, Stoncor Africa. This cementitious waterproofing material exhibits very low permeability and excellent resistance to the penetration of chloride ions. Inclusion of a Migratory Corrosion Inhibitor was of key importance in the selection of the product. Engineers felt the concrete cover to steel was questionable in the slab and the corrosion inhibitor would offer the additional protection necessary to this long-term repair.



FIVE STAR
Specified by the World's Best™

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WATERPROOFING

High Performance Waterproof Coating

PRODUCT DESCRIPTION

Five Star® Waterproofing is a polymer-modified cementitious waterproofing material that creates a rigid barrier which resists very high water pressures in both positive and negative side applications. This high-performance coating is self-curing for greater reliability and has excellent resistance to the penetration of chloride ions. Five Star® Waterproofing is applied in one coat by trowel, or in a multi-coat brush application.

ADVANTAGES

- Effective on negative and positive side
- Excellent resistance to chloride ion penetration
- Self-curing
- Trowel or brush applied

USES

- Concrete and masonry surfaces
- Vertical and horizontal applications
- Base for moisture-sensitive coatings
- Elevator/escalator pits
- Foundations
- Manholes
- Vaults
- Tanks

FIVE STAR® SERVICES

- Design-A-Spec™ engineering specification assistance
- Technical on-call center with experienced field and project staff
- Field support representatives for on-site consultation
- Corporate research laboratory available to customize products for unique applications



For worldwide availability, additional product information and technical support, contact your local Five Star® licensee, distributor, local sales representative, or call Five Star Products' Engineering and Technical Service Center at 1-800-243-2206 (from the U.S.) or +1 203-336-7900 (outside the U.S.).



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