

Ala Moana Shopping Center



**“ AQUA-TRETE®
Water Repellent
Application
a Breeze
in Honolulu ”**

The management team at the Ala Moana Shopping Center in Honolulu was faced with a challenge: to prevent rebar corrosion, and the deterioration that comes with it, on six new decks at the mall's parking structure. To solve the problem, they selected WE Painting, Inc. to apply a protective treatment to the new parking surface – 500,000 square feet in all.

The salt water spray found in tropical climates like Honolulu deposits chlorides on concrete surfaces. These chlorides migrate into concrete slabs and eventually trigger corrosion cycles. Because chlorides are water-borne contaminants, applying a high-performing, clear, penetrating, breathable water repellent formulation to the concrete can provide excellent protection.





In a busy setting like the Ala Moana Shopping Center, a water repellent that can be applied quickly, with minimal disruption, is ideal. When all factors were considered, Calvin Yokote, Vice President of WE Painting Inc., selected AQUA-TRETE® BSM 40 water repellent, manufactured by New Jersey-based Degussa Corporation at their ISO 9002-certified plant in Theodore, Alabama.

“AQUA-TRETE® BSM 40 water repellent is very reliable,” Mr. Yokote stated. This particular formulation is a 40% active ingredient (alkyltrialkoxo silane), water-based emulsion which derives its reliability from its small molecular size and low surface tension. When applied to concrete in a single-coat application, the material penetrates into the surface and bonds to silica, a primary component of concrete, to provide a high degree of water repellency. Unlike those of conventional surface treatments, the molecules that make up AQUA-TRETE® are small enough to enter the pores of the concrete. This way, the surface is protected from within, not by a surface layer that can be worn away over time.

Because it dries quickly, AQUA-TRETE® also offers the advantage of short application times. Unlike film-forming surface treatments, which can leave a dangerous “slippery when wet” condition after full cure, AQUA-TRETE® absorbs into and reacts with concrete without changing surface slip conditions. Other performance highlights include low odor, non-flammability, and the effective prevention of mildew, scaling, efflorescence, leaching,

dirt buildup and staining. Mr. Yokote also mentioned the service program offered by Degussa Corporation as a reason to use AQUA-TRETE® BSM 40 water repellent. The company pre-tests every product and monitors every project, both during and after application, to make sure that the product is performing correctly.

The Ala Moana project is the latest in a string of parking structures in Hawaii that have been treated in recent years with Degussa Corporation's AQUA-TRETE® and CHEM-TRETE® water-repellent formulations. Others include parking decks at Honolulu International Airport's Inter-Island Terminal, the University of Hawaii at Manoa and the Fort Derussy Hale Koa Hotel.

Safety, performance, service, reliability, competitive pricing – all reasons Mr. Calvin Yokote and WE Painting Inc. use AQUA-TRETE® water repellent from Degussa Corporation. ☛

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**CHEM-TRETE®
AQUA-TRETE®
WATER REPELLENTS**

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