

TECHNICAL BULLETIN

No. 125

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THIS BULLETIN IS USED TO INFORM DISTRIBUTORS, THEIR SALESPEOPLE AND USERS ABOUT PRODUCT IMPROVEMENTS, PRODUCT LIMITATIONS AND CHANGES OR IMPROVEMENTS IN RECOMMENDED INSTALLATION METHODS WHICH ARE NOT FULLY DESCRIBED IN CURRENT LITERATURE AND SPECIFICATION SHEETS.

PLEASE BE SURE ALL SALESPEOPLE RECEIVE THIS NOTICE

ASTM C 1059 – BONDALL AND ACRYLIC-BOND - UPDATE

This Technical Bulletin replaces #123

We continue to receive questions concerning the ASTM C 1059 Standard for Bonding Agents. The following explains how **BONDALL** and **ACRYLIC-BOND** fit the ASTM C 1059 standard for Type I and Type II Bonding Agents.

ASTM C 1059 is a Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete. It classifies bonding agents into two types, TYPE I (Redispersable) and TYPE II (Non-redispersable). It was reapproved in 2008. We were unsuccessful getting the committee at that time to a TYPE III for One Time redispersable bonding agents (**BONDALL** and **P-100**)

TYPE I is a PVA based bonding agents. Because they continuously re-emulsify, they are restricted to interior use and can not be subjected to water immersion or high humidity. Bond strength must be 400 psi to meet ASTM C 1059 TYPE I.

BONDALL meets ASTM C 1059 TYPE I requirements. However, because **BONDALL** only re-emulsifies one time, it is not limited to interior use.

TYPE II is acrylic latex bonding agents. These do not re-emulsify and are not limited in their use. Bond strength must be 1250 psi to meet ASTM C1059 TYPE II.

Our **ACRYLIC-BOND** product is a TYPE II bonding agent and meets ASTM C 1059 TYPE II requirements. **BONDALL** can perform as a TYPE II bonding agent, but does not meet the bond strength requirements.

Another point to be aware of is that the Bond Strength references above is from ASTM C 1042, Test Method for Bond Strength of Latex Systems Used With Concrete By Slant Shear. In 2008, the same Committee withdrew this Test Method based on difficulty in repeating the test. No other Test Method has been defined to replace it at this time.

If there are any questions or concerns in this matter, please contact the factory.

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