



TECHNICAL BULLETIN

HARDSCAPES DONE RIGHT

The Mystery of the SurfacePRO Series Dilution Rates Explained

Here's help in choosing the right dilution rate for your project.

TB19

Whether you are new to using one of the SurfacePRO 2-Part Urethane Sealers or have experience, here's help in selecting the right dilution rate to achieve the desired outcome for your project ensuring customer satisfaction.

SURFACEPRO SB-6700 AND SB-6750 DILUTION RATES EXPLAINED

The SurfacePRO Sealer Series consists of two highly concentrated 2-part reactive urethane sealers that require mixing of Part A and B together followed by dilution with water. Both SB-6700 and SB-6750, offer professional results with two dilution rates: D1 and D2. Do not use any other dilution rate than D1 or D2. The D1 (1:1) ratio is the highest concentration of sealer components vs water. This dilution rate requires less water than D2 and produces less usable sealer. Using D1 will result in the strongest joint stabilization with the highest level of enhancement and sheen. D2 (2:1) requires more water and will successfully seal the surface with a lower level of joint stabilization strength, enhancement and sheen, however it produces more usable sealer.

THE RIGHT DILUTION, APPLICATION AND COVERAGE LEAD TO JOINT STABILIZATION SUCCESS

SB-6700 and SB-6750 provide many benefits such as protection and enhancement but their primary function is to stabilize (harden) joint sand in a segmental pavement system. Although initially the surface enhancement is most noticeable, it's the solid sand joint that will reduce sand washout, weed growth, minimize insect infestation and keep the surface looking great long term. For successful joint stabilization, the **first application** of mixed and diluted sealer should be applied as a flood coat. This will provide enough sealer to protect the surface and produce solid joints of bonded sand particles. To ensure the strongest joint stabilization, choose D1, the highest concentration, and apply at a rate of 80 - 120 sf per gallon. Coverage may vary based on type, age, condition and porosity of the surface as well as joint size. Follow up with a light second application at either the D1 (highest level of sheen) or D2 (lower level of sheen) rate after the first coat has dried to the touch.

PRO TIP: When stabilizing sand joints, do **not** use a light spray application as your first coat (150 - 250 sf per gallon) because it will insufficiently saturate the joints. As this first coat dries, a thin layer of joint sand will harden preventing the second application from saturating further. This may lead to joint failure in the future.

DILUTION GUIDES

When selecting which sealer, SB-6700 or SB-6750, and dilution rate(s) to use for your first and second coats, keep in mind your customer's goals for their surface. Are they looking for joint stabilization? High-gloss vs semi-gloss? **Refer to the charts on the next page to guide you in making the right decision for the project.**

CONTINUED ON PAGE 2

The Mystery of the SurfacePRO Series Dilution Rates Explained

Here's help in choosing the right dilution rate for your project.

TB19

Page 2

SB-6700 is the **ultimate** in sealer performance. At the D1 rate for both applications, SB-6700 will produce the strongest sand joints, ultra-deep enhancement and a high-gloss finish.

SB-6700 DILUTION RATE GUIDE

1st Coat Dilution Rate	2nd Coat Dilution Rate	Joint Stabilization Strength	Enhancement Level	Sheen Level
D1	ULTIMATE PERFORMANCE D1	Ultimate	Ultimate	High-Gloss
D1	D2	Ultimate	Ultimate	Gloss
D2	D1	Best	Best	Gloss
D2	D2	Best	Best	Semi-Gloss

SB-6750 offers **premium** sealer performance compared to the industry standards. At the D1 rate for both applications, SB-6750 will produce strong sand joints, deep enhancement and a gloss finish.

SB-6750 DILUTION RATIO GUIDE

1st Coat Dilution Rate	2nd Coat Dilution Rate	Joint Stabilization Strength	Enhancement Level	Sheen Level
D1	OPTIMAL PERFORMANCE D1	Better	Better	Gloss
D1	D2	Better	Better	Semi-Gloss
D2	D1	Good	Good	Semi-Gloss
D2	D2	Good	Good	Satin

For additional helpful tips, be sure to read SEK-Surebond's other technical bulletins found in the [Mktg/TDS/SDS Library](http://www.sek.us.com) on www.sek.us.com.