

Densifier Comparisons

Your guide to concrete densifiers...for all types of applications.

01

AMERIPOLISH®
architectural concrete products

*Ideal for decorative concrete,
and new and old concrete*



3DHS

- High solids formula designed for soft concrete or porous surfaces
- If grinding dry, can be applied after last metal bond and before first resin
- If running resins wet, put densifier down before switching to grinding with dry resins
- Applied at 600-700 sq ft/gal
- Most effective stain resistor when used in conjunction with SR2
- Apply in circular motion with pump sprayer and microfiber pad
- Surface must be completely dry before applying
- When applying, surface should stay wet for 15 minutes

3DHSL

- Lower solids formula designed for tight floors
- If 3DHS doesn't penetrate, then use 3DHSL
- Same application and components as 3DHS



02



LS

- High solids, lithium silicate formula, combined as a sealer, hardener and densifier
- Can be applied to finished concrete (after it's placed)
- If polishing, put down at the same time and in the same way as other densifiers
- Applied at 500-700 sq ft/gal when polishing and 800-1000 sq ft for new concrete
- Make sure the surface is clean and spread evenly with a microfiber pad
- Clean up any over-application

- Advanced blend, lower solids than LS, hardener and densifier
- Better choice for new concrete
- Alternate to sodium or potassium densifiers or hardeners

LS/CS



CONVERGENT
CONCRETE TECHNOLOGIES

03

Pentra-Sil(IH)

*Ideal for commercial and
industrial applications*

- Empregnating, penetrating hardener specifically designed for grinding and polishing
- Use to harden and densify a surface, then put on some type of sealer after
- Same time frame and application as other densifiers
- If grinding dry, can be applied after last metal bond and before first resin
- If running resins wet, put densifier down before switching to grinding with dry resins
- Use a pump sprayer and microfiber pad and keep wet at least 15 minutes
- Clean up any excess with an autoscrubber



- Lithium silicate hardener, densifier and sealer with hydrophobic properties to protect concrete against salts, freeze/thaw and moisture in general
- Use in areas where salt is tracked i.e. main entries, off roads, driveways, parking lots, etc.
- Have to apply to a clean surface
- Can apply immediately after floor is poured and finished, but not when polishing
- Doesn't have to be just for polishing
- Can be used in interior or exterior applications

Pentra-Sil (244+)



SCOFIELD

*Ideal for architectural ground
and polished concrete floors*

04

- Lithium silicate densifier
- Dilute with 50% water since it's a concentrate (1:1 ratio)
- Apply at 200-400 sq ft/gal
- Reduces porosity and dusting and improves abrasion resistance
- Apply evenly with pump sprayer, avoid puddling
- Scrub in after spray application with autoscrubber
- Remove by flushing and wet vac system
- Apply Finish Coat with high quality squeegee to move the liquid

Formula One



Pentra-Hard

Ideal for industrial facilities

- Lithium silicate densifier, hardener, sealer and dust-protector
- Can be applied when placing or polishing concrete
- For new concrete apply at 500-750 sq ft/gal and 400-650 for existing concrete
- Apply only when temperature is above 36° F
- Stain protector may not be necessary with this product
- Clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent it from penetrating the surface
- Mildly agitate the mixture before each use
- Apply using a microfiber pad and pump sprayer

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