

“Bridging Cracks”



Location / Year

Vinton, Iowa
2008

Fabricator / Applicator

AlphaGen Coatings R&D Team

Fabrication Details: Resin & System

Cerarmix C-1, Applied @ 90 Mils
Resin Reichhold DION 382
Substrate (6) Six Standard Concrete Blocks
Cure System MEKP

Technical Data

- Standard 8" Concrete Blocks
- No mortar – stack one on top of another

Service Conditions

Chemical service – None
Load: 1629 # (1 wheel)
Temperature: ambient
Test time: 2 weeks

Design Considerations

To test the tensile strength of the Cerarmix C-1 coating - AlphaGen took 6 concrete blocks and coating the top and bottom with a thin layer of Cerarmix coatings. Right after the coating had cured, a truck was placed on top of the coated blocks where it stayed for a couple weeks. When the truck was removed from the coated blocks, no cracking or breakage came from this, showing the strength that even such a thin layer could hold such weight for so long with NO adverse effects.

Comments