



Fibergrate
Composite Structures



FIBERGRATE™ STAIR TREAD COVER INSTALLATION

1/8" FIBERGLASS TREAD COVERS

+

ICO-GEL™ EPOXY FILLER/ADHESIVE

Existing Conditions

- Boulder Valley School District
- Existing entry stairs – Very Dangerous!
- Concrete spalling, re-bar exposed, rusting
- Freeze/thaw action, breaks concrete apart
- Salt exposure – rusts/expands re-bar – causing further spalling
- Replace entire staircase....OR.....

ICO-GEL™

- Repairs Existing Concrete Stringers
- Fill Large Holes
- Corrects Sloped or Tilted Stairs to Create Full Drainage & Prevents Freeze/Thaw in Back Corners
- One-Step Process! ICO-GEL is Both FILLER and ADHESIVE
- Bond (“Pull”) Strengths up to 800 psi!

Existing Staircase



Existing Conditions...cont.



BEFORE PREPARATION & REPAIRS



REPAIR CONCRETE /APPLY TREAD COVERS TO EXISTING STAIRS

- All loose concrete removed
- Surface is prepared using diamond grinder
- All dust removed – washed, degreased and acid etched (if possible)
- Surface is allowed to dry or is flamed (heated)
- Primer is NOT necessary – but could be used if time allows
- ICO-GEL is applied first to fill large holes – can be blended with 3/8” clean pea gravel

Cutting & Shaping of Bad Concrete & Surface Grinding



Fully Cleaned & Prepared Treads Filled with ICO-GEL™ & Pea Gravel



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Vertical 1/8" Fiberglass Risers Cut to Size - Filled With ICO-GEL™



Fiberglass Risers Create a Level Tread – Ready to Accept Tread Cover



Vertical 1/8" Fiberglass Risers Leveled & Ready for Tread Covers



Tread Covers Applied Without Fasteners...ICO-GEL™ Adhesive



Treads Weighted – Concrete Blocks Until ICO-GEL™ Cures



Stairs Repaired!

Safe, Non-Skid Gritted Surface



Stairs Leveled Corrected Slope for Proper Drainage



COMPLETED STAIR TREAD REPAIRS

Fibergrate™ & ICO-GEL™

