

Henry® Pre-Applied Waterproofing for Shotcrete

Henry Blueskin PreSeal® 435 Pre-Applied Waterproofing System

Quality Assurance

Test panels

Install Blueskin PreSeal 435 as part of the preconstruction test panel in accordance with project specific requirements.

Nozzlemen requirements for shotcrete placement

Test panel mean core grade less than or equal to 2.5 per ACI 506.2-95, Sections 1.6 and 1.7.

Shotcrete cores

Shotcrete cores greater than 3 are unacceptable.

Inspection

Pre-shotcrete inspection

Inspect Blueskin PreSeal, injection ports, tieback covers, and project specific details prior to shotcrete placement. Repair and replace damaged or loose components in accordance with Henry Blueskin PreSeal Pre-Applied Waterproofing System Installation Manual.

Shotcrete placement

Install shotcrete in accordance with ACI 506.2-95 within 56 days (42 days in hot climates). Conduct a pre-construction meeting prior to shotcrete installation and verify Blueskin PreSeal 435 requirements when installed in conjunction with shotcrete including, but not limited to, the following:

1. Do not use sharp objects to consolidate shotcrete.
2. Do not compromise injection port assemblies during shotcrete placement.
3. Install shotcrete around injection ports to obtain a consistent concrete surface finish with the field of the wall, avoiding rough areas and projections adjacent to ports.
4. Trim around injection tubes during shotcrete finishing operation to create a flush surface, avoiding projections as high spots require mechanical grinding during the final finish stage.

Reinforcement and alignment control

Steel anchoring reinforcement

Install compatible rebar support, such as concrete dobies or sand towers, against Blueskin PreSeal 435. Tie steel to the shoring system using anchors with lag screws tapped to receive threaded rods. Contact Henry for other authorized anchors. Pre-drill Blueskin PreSeal 435 membrane and install lag bolt screw with a 1/2" (10mm) minimum exposed shank. Detail shank with Carlisle MiraSTOP SS.

Alignment control

Tie-off dowel, rods, depth gauges, and other components to the steel reinforcement without compromising the waterproofing system. Do not penetrate Blueskin PreSeal 435 with metal dowels, rods, depth gauges, and other components with steel wire used to establish line or finish unless sealed as a penetration detail.

Ask us today about other Henry® solutions that help manage the flow of water, air, vapor and energy.

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