

Case Study



The information in this case study is reprinted from the American Cyanamid AM-9 technical manual. AM-9 was American Cyanamid's acrylamide grout product. Avanti's AV-100 Chemical Grout matches the chemical formulation, usage and performance of AM-9.

Title: Sealing Leaks in Coal Mine Slope

Location: Salina, Pennsylvania, U.S.A.

Owner: Seanor Coal Company

Engineer: Seanor Coal Company

PROBLEM:

During the winter months, small drips from the roof froze into large ice masses, obstructing the passage of men and equipment, and becoming a safety hazard.

SOLUTION:

AM-9 was used to penetrate and seal the fine channels in a section of the slope.

APPLICATION:

Short holes were drilled into the roof, and then pressure tested with dyed water. When dye returned to the surface, the hole was grouted, basing gel times on data from the dye test.

RESULTS:

The treated area remained free of ice during the following winters.