

OWNER: SASOL – Mpumalanga province, South Africa

PROJECT SIZE: 72m long, 8m wide, 4m high

COMPLETION DATE: Aug. 2011

PRODUCT: MetalSafe B-300, and SealRoof A-100

Job Description:

South Africa is currently the fifth largest coal producing country in the world, producing, on average, around 224 million ton of marketable coal each year. Coal's role as a fossil fuel is likely to become increasingly important in a world in which concerns over energy security are rising and demand for energy is growing strongly. Sasol Mining operates one of the world's largest underground coal-mining complexes and produces more than 40-million tons of coal a year, with more than 90% of the coal mined being used by Sasol to produce synthetic fuels and a wide range of chemicals. Atlantic Industries Ltd.'s Super Cor Mine Portal protects the conveyor belt moving coal from the mine site to the surface. A 72 m corrugated steel and site fabricated tunnel, the metal structure is subject to the environment attack and corrosive soils. Liquid Rubber MetalSafe B-300 protects this tunnel.

MetalSafe B-300 not only protects metal surfaces from the effects of rust caused by water, but protects surfaces from the harmful effects of salts and phosphates contained in soils, chemicals that can damage metal and shorten the life of the facilities.

Following cleaning to remove any dust and debris from the metal surface, MetalSafe B-300 was spray applied as an 'instant-set' protective liner. The instant-set application procedure enables the contractor to control the liner thickness to the recommended 2mm, using a single pass, saving time and ensuring complete coverage. The interior of the tunnel was protected with MetalSafe B-300 to a thickness of 1.5mm and a top coat of SealRoof A-100. The SealRoof A-100, a light grey color top coat adds protection and increases the light within the tunnel.

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INSTANT-SET SPRAY APPLIED METALSAFE B-300



SEALROOF A-100 (LIGHT GREY), A FINISH TOP COAT APPLIED OVER METALSAFE B-300 –INTERIOR

WATERPROOFING PRODUCTS IN THE METALROOF LINE INCLUDE:

METALSAFE B - 300

HIGHBUILD S-200

TROWELGRADE B-400

SEALROOF A-100