

Description

MEYCO Anvil-Mine is a cementitious/metallic aggregate topping formulated to produce extended working time and extra heavy-duty protection against abrasion and impact. MEYCO Anvil-Mine topping can be either cast-in-place or sprayed using conventional shotcreting equipment.

Applications

Recommended for use in:

- Mine flooring/roadways
- Ore/waste passes
- Ore bins
- Crushers
- Shop/maintenance
- Chutes/loading pockets
- Rockbreaker stations
- Equipment impact areas

MEYCO® ANVIL-MINE

Heavy-Duty, Metallic Aggregate Topping for Mining Applications

Features

- Up to eight times the abrasion resistance of concrete
- Up to four times the impact resistance of plain concrete
- High compression strength with lower modulus of elasticity than other equal compressive strength cementitious materials (less brittle and more resistant to dynamic loads)
- High resistance to point loading
- Excellent ductility and energy absorption capacity (toughness)
- Distributes impact stress over greater area
- High density
- High slump consistency
- Reduces bleeding of surface

Benefits

- Minimizes shutdown time and provides ease of rehabilitation of key installations (simply apply over high wear areas)
- Superior absorption rate to resist degradation by water, oil or solvents

Performance Characteristics

Typical Compressive Strengths

2 in. (50 mm) cubes cured at 70 °F (21 °C) using 0.63 gal (2.4 L) of water per 55 lb (25 kg) bag of topping.

	psi	MPa
24 h	5,040	34.8
7 day	8,800	60.7
28 day	12,050	83.1

Guidelines for Use

One 55 lb (25 kg) bag mixed with 0.63 gallons (2.4 L) of potable water provides approximately 0.28 ft³ (0.0079 m³) of screedable topping at a 6 in. (152.4 mm) slump. This amount will cover 3.35 ft² (0.31 m²) at a 1 in. (25 mm) thickness.

Note: 0.63 U.S. gal (2.4 L) is the recommended amount of water for a 6 in. (152.4 mm) slump mix.

One 2,200 lb (1,000 kg) bulk bag mixed with approximately 25.2 gallons (96 L) of potable water provides approximately 11.2 ft³ (0.316 m³) of screedable topping at a 6 in. (152.4 mm) slump. This amount will cover approximately 134 ft² (12.4 m²) at a 1 in. (25 mm) thickness.

Use approximately 18.0 lbs/ft² (87.8 kg/m²) to produce a 1 in. (25 mm) thick topping.

Under no circumstances should less than a 1/2 in. (12.5 mm) thickness be used.

Product Data: MEYCO® ANVIL-MINE

Storage and Handling

Storage Temperature: MEYCO Anvil-Mine topping should be stored in unopened packaging in clean, dry conditions at 50-90 °F (10-32 °C).

Handling: MEYCO Anvil-Mine topping can cause allergic and respiratory reactions. When handling MEYCO Anvil-Mine topping, it is recommended to wear eye protection and dust masks with side shields (do not wear contact lenses when working with this material) and gloves. For further information, refer to the MEYCO Anvil-Mine topping MSDS.

Shelf Life: MEYCO Anvil-Mine topping has a minimum shelf life of 6 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use if the shelf life of MEYCO Anvil-Mine topping has been exceeded.

Packaging: MEYCO Anvil-Mine topping is packaged in 55 lb (25 kg) moisture-resistant bags and 2,200 lb (1,000 kg) bulk bags.

Related Documents

Material Safety Data Sheets: MEYCO Anvil-Mine topping.

Additional Information

For additional information on MEYCO Anvil-Mine topping, contact your local sales representative.

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