

## DESCRIPTION

Bitusilver is a cold applied highly reflective aluminum bitumen coating. Special mixture of high-quality bitumen dissolved in selected petroleum solvents and blended with a special aluminum paste.

## FEATURES AND BENEFITS

- Easy to apply, no heating or thinning.
- Reflecting up to 70% of the harmful sunrays, thus prolonging the life of bitumen roofs.
- Highly resistance to UV rays.
- Low thermal conductivity, saving in heating and cooling costs.
- Seamless and smooth finish forms an excellent reflective and waterproof coat upon drying.

## USES

- To preserve, protect and beautify modified bitumen smooth and granules waterproofing membranes.
- To protect metal structure and is an anti-rust and corrosion coating.
- It can be used on vertical and horizontal structures made of concrete, metal and masonry.

## STANDARDS

Complies with ASTM-D 2824 type I

## COVERAGE

- Approx. 0.16 kg/mt<sup>2</sup> on metal, wood or smooth bituminous surfaces.
- Approx. 0.27 kg/mt<sup>2</sup> on granule, rough or concrete surfaces.

## APPLICATION

### APPLICATION ON POROUS SUBSTRATES

Thoroughly clean the surface to be coated. All dirt, dust, scale, grease, oil and other loose particles.

It can be applied by paint brush, squeegee or airless spray equipment at the recommended coverage rates.

All brush strokes should be in one direction and temperature above 20 °C. Thoroughly mix before and during application.

### APPLICATION ON METAL STRUCTURES

On old metal or galvanized steel, remove rust and scale with a wire brush. Pre-treat new galvanized steel surface with diluted acid.

## Technical Data

PROPERTIES	RESULTS	TEST METHOD
Density @ 25 °C kg/liter	0.91 – 1.0	ASTM-D 70
Dry film thickness 1 Liter/ mt <sup>2</sup> (mm)	0.3	-
Cured Colour	Bright Silver	-
Wet Colour	Black	-
Dry to touch Hr.	2 to 3 Hr.	-
Through Drying time Hr.	24 Hr.	-
Reflectance %	70	ASTM-D 2824
Resistance to heat @ 60°C	No sagging or blistering	-
Service temperature °C	-5 to 60	-
Non-volatile % Wt.	50	ASTM-D 2824
Volatile % Wt.	50	ASTM-D 2824
VOC, grams/liter	500	-
Metallic Aluminum Content % Wt.	15	-

## CLEANING

Spray equipment and brush should be cleaned immediately after use by a suitable solvent. Hands use hand cleaner followed by soap and water.

The information given in this data sheets is the average of test of various samples conducted under lab conditions.  
\*In accordance to ASTM and UAE standards results are subjected to 5 to 20% tolerance.

# BITUSILVER

Acold applied highly reflective aluminum bitumen coating

## STORAGE

- Keep the products packed in a dry place.
- Keep away from direct sunlight.
- Do not place the pallets on top of each other.

## TECHNICAL SUPPORT

International Insulation Company (IIC) - Bitugulf technical support team consist of expert engineers offers a comprehensive service support to specifiers, end users and contractors, and on-site technical assistance.



# HEALTH, SAFETY AND ENVIRONMENT

Gloves, goggles and normal masks are worn. When contact with skin, eyes immediately wash abundant water

All safety measures should be observed during application. Fire extinguishers should be available on site. Care should be taken with gas, and torches should not be rested on finished surface or on any materials that can be scratched by flame or hot torch. Gloves and goggles should be worn by all workers during application.

Read, understand and follow all Material Safety Data Sheets and product label information for this product prior to use.

- Bitusilver is solvent based that gives inflammable vapor, during application wear proper personal protective equipment.
- Ensure proper ventilation if used in the enclosed area.
- Keep away from sources of sparks or ignition.
- Avoid skin contact; if contact occurs remove with hand cleaner then clean with soap and water.
- Avoid eyes contact, if contact occurs flush with clean water.
- Avoid inhalation; if inhalation occurs move to fresh air area and if breathing difficulty persist, administer oxygen.

## INTERNATIONAL INSULATION COMPANY (BITUGULF)

### Factory

Western Shuaiba Industrial, Block (3), Building (90),

Opposite of Kuwait Steel Co.

Telephone: (+965) 23262824 (Factory)

(+965) 90019846 / 90019917 / 96600332 (Sales)

Email: info@bitugulf.net

### Showroom

Shuwaikh Industrial, Block (A), Building (139),

Opposite to Hyundai Maintenance Center

Telephone: (+965) 24912765 / 94122711

Email: showroom@bitugulf.net

**Note:** The technical data provided reflects typical properties based on laboratory tests and practical experience, subject to UEAtc tolerance levels. While we cannot guarantee performance under all conditions, further details are available upon request, with a standard variation of up to 20%.



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