



DUSEEL A 300

BITUMEN PROTECTIVE AND REFLECTIVE
COATING SOLVENT BASED

DESCRIPTION

DUSEEL A 300 is a special solvent-based liquid applied aluminum bitumen protective and reflective coating. The special mixture of high quality bitumen and petroleum solvent is blended with a special aluminum paste for high reflectivity and outstanding protection against UV rays. The liquid applied material is highly versatile and it serves as both a protective and an insulation coating for various structures and roofing systems. This product meets the requirements of ASTM D 2824.

FEATURES AND BENEFITS

- Highly resistant to UV rays.
- Heat and light reflective.
- Excellent protection against ageing.
- Seamless and smooth finish.
- Reduces interior temperature by reflecting sunlight, thereby reducing energy consumption.
- Forms an excellent reflective and waterproof coat upon drying.
- Highly flexible and pliable.
- Cold applied and easy application.

SPECIFICATION AND COMPLIANCE

DUSEEL A 300 conforms to the requirements of ASTM, UEAtc and other relevant International Standards.

MAIN USES

DUSEEL A 300 is used as:

- Protective coating in exposed roofs, waterproofing sheet membranes, concrete roofs and metal roofs due to silver colored reflective finish.
- Protective coating against corrosion on metal surfaces. It can be used on vertical and horizontal structures made of concrete or metal such as tanks and silos.

QUALITY ASSURANCE AND WARRANTY

Duproof is ISO Quality Assured Company and DUSEEL A 300 carries a material warranty against any manufacturing defect.



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METHOD OF APPLICATION

SUBSTRATE PREPARATION

1. All Substrates must be clean and sound, free of dirt, dust, soil, grease, oil and other loose particles. Substrates that are very dry should be applied with a penetrating coating of **DUPRIME**.
2. Stir the solution thoroughly if stored for a long time.

APPLICATION SYSTEM ON POROUS SUBSTRATE (CONCRETE STRUCTURE)

1. Apply a minimum of 2 coats by brush or spray equipment. The second topcoat is applied when the first coat has completely dried.
2. Apply each coat at a right angle to the previous one to achieve good coverage and uniformity.
3. Drying time is 1-3 hours under normal conditions. Under damp and cold conditions, it is recommended to allow 6 hours between successive coats.

APPLICATION SYSTEM ON METAL STRUCTURES

1. Clean the substrate by removing rust, scale and dirt using wire brush. Wipe off traces of oil and grease with a suitable solvent.
2. Apply a minimum of 2 coats by brush or spray equipment.
3. The second coat is applied when the first coat has completely dried.
4. Drying time is 1-3 hours under normal conditions. Under damp and cold conditions, it is recommended to allow 6 hours between successive coats.

DUSEEL A 300 is recommended to be applied at temperatures between 5°C to 50°C

PACKING AND STORAGE

DUSEEL A 300 is available in 20 liter, palletized and strapped. **DUSEEL A 300** has a shelf life of 12-months in a tightly closed container and store at temperature between 5°C and 40°C. Avoid direct exposure of heat and sunlight. The product has to be thoroughly mixed before application.

HEALTH AND SAFETY

DUSEEL A 300 is solvent based that gives out inflammable vapor, proper care must be taken when applying the coating. Wear proper or necessary Personal Protective Equipment, ensure proper ventilation if used in enclosed area, keep away from sources of ignition, and avoid contact with skin, eyes or inhalation. Make sure that the container is closed after each application.

TECHNICAL DATA

PROPERTY	UNIT	RESULT	TEST METHOD
Non- Volatile % Wt.	%	Min. 40	ASTM D-402
Aluminum Content	%	11	ASTM D-402
Water Content	%	Nil	ASTM D-95
Drying Time	hrs.	1.0 – 3.0	-----
Colour	-----	Black as a liquid and silver after application	-----
Service Temperature	°C	+ 5 to + 50	-----

CLEANING OF TOOLS

The brush and spray equipment should be cleaned immediately after use by means of a suitable solvent like white spirit, petrol or diesel oil.

Tolerances on nominal values shown are as per UEAtc directives for polymer modified bitumen membranes. These data are correct at the time of printing but may be changed without any prior notice subject to clients requirements availability of raw materials or other conditions. This data sheet supersedes all previous publications pertaining to this product. All reasonable care has been taken in preparing this document, which to the best of our knowledge is accurate and true. Recommendations and suggestions are made in good faith and should only be considered for general guidance. No liability is assumed or taken by us in relation to the application, as usage conditions and any labour involved are beyond our control.

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