



AS 66

NO RUST
ACTIVESHIELD
TAPE

An effective anti-corrosion solution providing cathodic protection, reinforced with a bituminous membrane and covered with HDPE film, designed for extreme fields of applications.



NO RUST ACTIVESHIELD TAPE



The new-generation AS66 No Rust ActiveShield Tape **anti-corrosion tape** owes its effectiveness to both **active and passive protection**. This composite product consists of an external membrane layer that ensures tightness, and an inner layer that acts as an anode.

The Active protection is achieved through the use of high-purity zinc tape with electro-conductive adhesive, ensuring excellent conductivity between the protected metal and zinc. Zinc, as an anodic corrosion inhibitor, prevents the formation of metal oxides in the protected substrate.

The Passive protection is provided by a bituminous membrane covered with a high-quality HDPE film. It offers excellent sealing and creates a barrier against mechanical damages, acids and moisture in the soil, preventing corrosion from occurring. Additionally, it is resistant to stretching, bending and it is waterproof.



FIELDS OF APPLICATION



extreme underground constructions

marine and offshore industry

underground pipes and steel poles for city lighting

underground storage tanks

connections between underground and above-ground structures

protecting underground sewage treatment and drainage systems

SURFACE PREPARATION

- The surface must be dry and free from corrosion
- Remove all coatings covering the metal surface.
- Surface with visible light or medium corrosion needs to be cleaned by mechanical or manual wire brushing.
- In order to achieve an optimum functionality of tape it is important to ensure direct contact between tape and steel.

AVAILABILITY

AS66/10 30 CM X 10 M 7KG

Other dimensions upon request

TECHNICAL DETAILS

Membrane thickness	1000 µm
Zinc layer thickness	100 µm
Total thickness	1250 µm
Operating temperature	-10 ÷ 70°C
Electrical conductivity	0 Ohm mm ²
Minimum application temp.	+10°C

TAPE APPLICATION

- Tape is applied directly onto the steel structure.
- During the installation, apply the tape on the whole surface, leaving no exposed metal surface.
- To protect irregular shapes, tape needs to be cut to the required dimension.
- Apply the tape carefully to avoid air bubbles or creases.
- Very good adhesion is achieved by using a magnetic roller applicator.
- The application of tape on pipes is the fastest and most efficient when carried out by a wrapping machine.
- Otherwise, tape needs to be cut and hand-applied. Tape can be pressed to the metal surface using a squeegee – this would allow to achieve good connection between the tape and the metal surface.



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