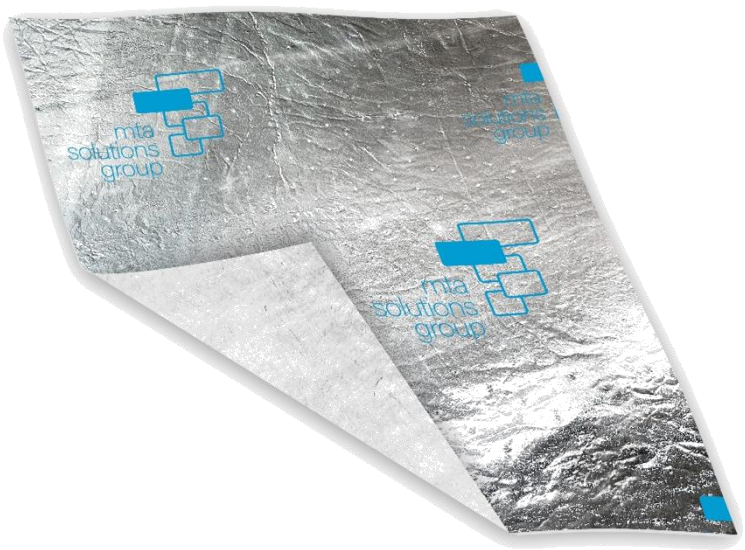
PRODUCT DATASHEET

Product group	IQM Scan® Monitoringsystem	
Product component	IQM Scan® Layer – Conductive fibre glass-aluminium composite fabric	
Rev. / Date	1.00	10.12.2025

PRODUCT DESCRIPTION

The conductive MTA IQM Scan® Layer for foil waterproofing is a special glass fibre fabric with perforated aluminium foil laminated on one side. It serves as a flat counter electrode for plastic waterproofing in roof, container and building waterproofing systems. The material is characterised by high mechanical stability, optimum electrical conductivity and very good workability. The layer is laid over the entire surface under the sealing membranes and enables precise, large-area moisture and leak monitoring in the IQM Scan® system.

FEATURES & ADVANTAGES



- Highly conductive aluminium surface for reliable signal transmission
- Glass fibre fabric (E-glass) with high tensile strength and dimensional stability. **Fire protection class A2 according to EN 13501-1 – non-combustible**
- Very lightweight material, easy to transport and process
- Large roll widths up to 125 cm, lengths up to 200 running metres
- Air-permeable and flexible – ideal for sealing systems
- Temperature-resistant, MED-certified polyurethane adhesive
- Ideal as a counter electrode for plastic sealing systems
- Compatible with all IQM Scan® sensor and electronic components

BASIC TECHNICAL DATA

Feature	Description
Product name	IQM Scan® Layer - foil
Material	Glass fibre fabric with aluminium lamination
Roll width	approx. 125 cm
Roll length (Standard role)	Max. 200 m (max. 25 kg/roll – labour law restriction)
Overlapping	Use of layer connecting stripes (width 30-40 cm)
Installation position	Under waterproofing layer (also used as a vapour barrier)
Connection option	Via connection clamp with pre-assembled cable

AREAS OF APPLICATION

- Plastic sealing systems (roofs, containers, building seals)
- Flat roof structures (mechanically fastened or bonded)
- Tank, container and collection chamber monitoring
- Large-area moisture and leakage monitoring with IQM Scan®
- Sealing for industrial, commercial and municipal buildings

SCOPE OF DELIVERY

- Conductive fabric roll (width 1.25 m and length up to 200 rm – up to a max. of 25 kg)
- Optional (project-specific): connecting stripes (width approx. 30–40 cm)

INSTALLATION INSTRUCTIONS

The fabric is laid over the entire surface under the plastic seal. Overlaps must be created using connecting strips in accordance with the project specifications (typically 30–40 cm).

Mechanical damage to the aluminium component must be avoided.

The electrical connection is made using suitable terminals/connection points on the IQM Scan® system. The surface must be clean, dry and free of contaminants. Installation must only be carried out by trained specialists.

CONTACT & SUPPORT

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TECHNICAL SAFETY DATA SHEET

IQM Scan® Layer Foil	Detail specification
Maximum width	1250 mm
Roll diameter	Max. 500 mm (max. 25 kg/roll – labour law restriction)
Core diameter	50/76/150 mm
Roll length	Max. 200 rm (max. 25 kg/roll – labour law restriction)
Total weight	124 g/m² ±6%

Component	Detail specification	
Fibre glass	Glass: E-glass	
	Fibre diameter	16 µm
	Fibre length	18 mm
	Ratio	77 %
	Binders: Synthetic resins	23 %
	Nominal weight per unit area	70 g/m² ±7%
	Tensile strength, longitudinal	300 N/50 mm
	Tensile strength, transverse	160 N/50 mm
	Thickness fibre layer	0.68 nmm
	Air permeability	6200 l/m² sec
Aluminium foil	Alloy	1200
	Degree of hardness	0
	Point thickness	11 µm
	Weight	30 g/m² ±5%
Adhesive	Type of adhesive	MED-certified reactive polyurethane
	Weight	25 g/m² ±7%
	Temperature resistance	180 °C

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