

The image features a background of a textured, reddish-brown fabric with a woven pattern. A white, angular shape is cut out of the fabric, revealing a smooth, light grey surface underneath. The MEFTEX logo is positioned in the upper left corner, and the main text is centered in the lower half of the image.

MEFTEX[®]

**WE ADD NEW
PROPERTIES TO VARIOUS
TYPES OF FABRICS**

**METALLIZATION OF TEXTILE
MATERIALS BY UNIQUE METHOD**

BENEFITS



THERMAL AND ELECTRICAL CONDUCTIVITY

Surface resistivity $\leq 0.2 \Omega/\square$



SHIELDS AGAINST ELECTROMAGNETIC RADIATION

Method ASTM D4935-10 (30 MHz - 1.5 GHz; one layer of MefTex fabric):

- > 45 dB MEFTEX 10
- > 50 dB MEFTEX 20
- > 55 dB MEFTEX 30



REFLECTS INFRARED RADIATION

Up to 70 % of exposed heat is reflected back.



ANTIMICROBIAL



ANTISTATIC



ATMOSPHERIC CORROSION RESISTANT



APPLICABLE INTO VARIOUS COMPOSITES

Lamination, compression processes

MEFTEX IS A SYNONYM FOR **METALLIZED FINE / FUNCTIONAL / FLEXIBLE TEXTILE**, FEATURES THAT HIGHLIGHT ITS ORIGINALITY.

MEFTEX copper metallized nonwoven fabrics with 3F characteristics (FUNCTIONAL/FLEXIBLE/FINE) achieves exceptional technical parameters while maintaining all required original material properties:

- / Lightweight (10–30 g/m² of substrate, 2–10 g/m² of copper),
- / breathability,
- / tensile strength,
- / flexibility,
- / very good processability (easy to cut, weld, solder).

These desired characteristics of the final metallized nonwoven fabrics will be retained even with high and permanent loads.

METALLIZATION PROCESS

Unique, patent-pending advanced method of metallization

CONTINUOUS PROCESS

- / „Roll to roll“ production process guarantees a homogeneous, standardized product (metallized in whole 3D structure in full width of the original substrate/based fabric) and provides an assurance of consistent high quality. Finished material product width of 1.1 meter (43.3 inches).

VERSATILE, VERY EFFECTIVE

APPLICABLE TO WIDE RANGE OF METALS AND FABRICS

- / Technology primarily applicable (but not limited) to polyester, with options for base materials of non-woven, woven, synthetic, natural or bi-component fabrics based on polypropylene, polyamide, viscose, glass, etc.
- / Copper and other metals

ENVIRONMENT FRIENDLY, CLEAN AND LOW-WASTE PROCESS

- / Applicable to low-grammage substrate with consumption of small amount of chemical agents per square meter of textile substrate
- / RoHS compliance

WE OFFER

- / Product range flexibility / Custom solutions / R&D support
- / Additional process-oriented consultancy services

/ PRODUCTS

MEFTEX 10

Planar weight
(g/m²) 13 ± 1

Content of copper
(g/m²) 3 ± 1

MEFTEX 20

Planar weight
(g/m²) 25 ± 2

Content of copper
(g/m²) 5 ± 2

MEFTEX 30

Planar weight
(g/m²) 37 ± 2

Content of copper
(g/m²) 7 ± 2

APPLICATIONS



/ AEROSPACE



/ AUTOMOTIVE



/ ELECTRICAL
ENGINEERING



/ SPECIAL CLOTHING
AND PROTECTIVE
EQUIPMENT



/ THERMAL
MANAGEMENT
SOLUTIONS



/ SENSORS FOR
MONITORING
AND CONTROL



/ CONSTRUCTION
INDUSTRY



/ DEFENCE



/ PERSONAL SAFETY
AND PROTECTION

ABOUT US

Bochemie is a speciality chemical company that produces a wide range of advanced materials and chemicals.

Its products and quality reflect Group's advanced knowledge and experience developing unique technologies, widely used across multiple industries and critical processes. These range from energy storage, to wood protection, and from steel and special-alloy surface treatment to smart textiles.

Loyal customers rely on Bochemie Group's innovation, dependable customer support and services, combined with the ability to identify developing opportunities in various markets. Bochemie's clients and partners value its innovative and effective reliable solutions which are consistent with a responsible ethical approach to sustainable development and quality of life.

OUR BUSINESS SEGMENTS

INDUSTRIAL ACCUMULATORS

- ✓ Production of industrial Ni-Cd accumulators used for storage of renewable energy sources (i.e., solar, wind) as a power back up in many applications, including Uninterruptible Power Supplies (UPS), Transportation, Standby power generators (Gas or Diesel Gensets), Emergency power supplies, Emergency lighting and Telecommunication power sources.
- ✓ Production of active materials (chemical components) for industrial alkaline Ni-Cd accumulators.

WOOD PROTECTION

- ✓ The very best short and long term protection against the threats of mould, fungi and insect infestation.
- ✓ Effectiveness and easy application combined with environmental compliance.
- ✓ High user comfort and easy and simple application that can be used professionally and in the home.

METAL SURFACE TREATMENT

- ✓ Feropur - unique technological process of pickling stainless steels in reducing melt.
- ✓ Production of zinc chloride, liquid melt, degreasers and special pickling agents as part of hot-dip galvanizing.
- ✓ A unique ecological production technology of nano ZnO with extremely high surface area.

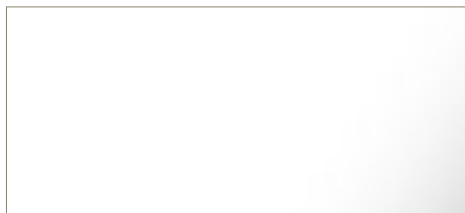
CLEANING AND DISINFECTING AGENTS

- ✓ Almost 50 years of experience.
- ✓ Reliable manufacturing contractor (Schulke, Unilever).
- ✓ Special disinfectants, household cleaners – development, production, consulting and advisory services.



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