The professional approach to blade coatings

Sustainable protection for extended longevity

ALEXIT® Blade Rep

Mankiewicz Gebr. & Co is a leading manufacturer of customized coatings suitable for a wide range of industrial applications.

With the increasing emphasis on wind energy as a global power supply over the last two decades, Mankiewicz has concentrated their coatings expertise on the wind power industry and developed advanced coatings for wind turbine rotor blades. During the development of our turbine blade product line our R&D concentrated on resistance to abrasion and erosion caused by global outdoor climates as well as elasticity, adhesion to laminates and other surface characteristics.

ALEXIT® products for wind turbine blades are approved by major wind turbine manufacturers. The products have been successfully tested under real life conditions and have completely fulfilled the requirements of this industry for more than 10 years.

Areas subjected to abrasion, such as leading edges and tips, are specifically protected with high-tech coating materials. Durable ALEXIT® BladeRep prolongs the life cycle of blades – avoiding the need for frequent costly blade replacements and extending the time between maintenance intervals – making it the cost effective choice.

With ALEXIT® BladeRep, Mankiewicz provides a high quality and durable product line to satisfy the requirements of the blade maintenance market. It includes a comprehensive repair system consisting of four products – profile filler, pore filler, leading edge protection and topcoat – allowing applicators to select the most efficient product for each repair application.

All ALEXIT® BladeRep products are two-component, polyurethane-based and are designed for the long-term protection of objects exposed to extreme environmental stress.

Properties of the product line

- **ALEXIT® BladeRep Profile Filler 3**
  - solvent-free, two-component polyurethane
  - surfacing / profiling filler
  - non-porous filler used for fairing GRP-substrates
  - cures to an easily sandable surface

- **ALEXIT® BladeRep Pore Filler 6**
  - solvent-free, two-component polyurethane
  - fills pin holes
  - repairs minor areas of damage on GRP substrates
  - cures to an easily sandable surface

- **ALEXIT® BladeRep LEP 9**
  - exclusively designed for protection of the leading edge
  - excellent abrasion and erosion resistance
  - plastic and flexible coating
  - designed as alternative to common LE-Tapes
  - easy handling
  - MSI Technology

- **ALEXIT® BladeRep Topcoat 12**
  - UV resistant
  - abrasion and chemical resistant
  - designed specifically for blade coating
  - meets or exceeds OEM standards
  - available in all standard OEM colors

Our quality management system has been certified since 1992 and complies with DIN EN ISO 9001 plus the additional requirements of the automotive (ISO/TS 16969) and aviation (EN 9100) industries. This not only commits us to provide the required product quality but also to permanently improve our products and services.

Environmental policy

Mankiewicz has been exercising constructive environmental protection for many decades. The development of environmentally friendly waterborne coatings and innovative low VOC products is our company ethos, as is safe production processes in accordance with the latest technological standards. The efficiency and sustainability of our environmental activities is attested by an independent body with the Certificate according to ISO 14001.

In addition to a sensible use of raw materials, the responsible handling of resources includes an increase of product life expectancy. Paints are not limited to upgrade surfaces visually, their main function is to protect industrial goods and extend their longevity by preventing ageing processes caused by abrasion, erosion and exposure to chemicals.
Benefits at a glance

Advantages of ALEXIT® BladeRep

• Applicable as complete system solution
• User-friendly packaging
• Easy mixing and application
• Specifically designed for the coating of blades
• Fulfills typical OEM- and market requirements

We are there for you – Worldwide
Mankiewicz
Our tradition: Creating the future

Mankiewicz is a globally operating paint manufacturer, founded 1895 in Hamburg. Nowadays, the Mankiewicz group supplies high-quality coating systems for industrial series production to various sectors, including demanding markets such as Machinery, Automotive, Aviation, Railway, Utility Vehicles, Medical Engineering, Yacht and Wind Power Industry.

The in-house development department permits creation of all paint systems in all colour shades, gloss grades and textures, tailor-made for each customer. More than 1,200 employees worldwide are involved in the realization of “Coating Concepts of the Future” to ensure long-term preservation of utility and capital goods. Our products fulfill the wish for the highest quality and continuous proximity to the market and its requirements. The high quality of products and processes is guaranteed by a quality management system, which was established many years ago.

Mankiewicz is certified according to ISO 9001, ISO/TS 16949, EN9100, ISO 14001 and has been successfully audited according to VDA 6.3.

Mankiewicz Group

MANKIEWICZ EUROPE
Germany – Hamburg
Mankiewicz Gebr. & Co. (GmbH & Co. KG)

Great Britain – Leicester
Mankiewicz UK LLP

Russia – St. Petersburg
OOO Mankiewicz Innovative Technologies

Czech Republic – Praha
Mankiewicz Prumyslové barvy a laky k.s.

Italy – Milano
Mankiewicz Italia s.a.s.

Spain – Barcelona
Mankiewicz Ibérica, S.L. y Cía, S. Com.

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Mankiewicz France S.C.S.

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Mankiewicz Lakier Przemysłowe sp. z o.o. i S.K.

Turkey – Istanbul
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