

The lion

amongst abrasives





AWUKO - The lion amongst abrasives

In 1899 August Wandmacher laid an important foundation for abrasives:

The sandpaper cushion for sanding leather!

For this, he took out an utility patent in the same year and ever since the establishment of the company in 1900 with the name of “A. Wandmacher & Co.,” the manufacture of abrasives has been part of the history of the Lower Saxony town Hann. Münden.

Back then, the founder of the company set himself the following target: to be equal to the hard demands of the use of abrasives, the abrasive had to be as strong as a lion.

Strong and biting in order to tame even the hardest of materials, tough and resistant in order to persevere even through the longest grinding processes and naturally, also delicate in order to impart a perfect finish even to the most sensitive surface.

However, these qualities must be guaranteed under conditions of the utmost reliability and constant quality because “great strength brings great responsibility”.

Taking these qualities into account, AWUKO ABRASIVES can be seen as the “lion amongst abrasives”. Not only obviously represented from

the logo of the company, but also with a tradition of almost 120-years.

Today AWUKO ABRASIVES Wandmacher GmbH & Co. KG is a family-run company with over 170 employees. It is one of the leading manufacturers of quality abrasives worldwide with an emphasis on wood and leather sanding.

But there is much more to the lion: the most modern manufacturing lines with unique production methods permit the manufacture and production of the widest range of abrasives in the world.

By means of a DIN EN ISO 9001 certified quality management system and a globally organised sales structure, AWUKO ABRASIVES scores extra points with technical support on-site, the implementation of customer-specific requirements and short delivery times. These are the foundation stones for successful and long-term business relationships.

In the field of environmental protection the AWUKO ABRASIVES production processes use the most modern exhaust air cleaning plants including environmentally friendly waste disposal that are designed to be sustainable.

AWUKO - FACTS



- Family-run company with a flat hierarchy
- Global sales structure
- Customers in more than 100 countries worldwide and an export share of more than 70%
- AWUKO service: logistic know-how, short delivery times as well as technical support



The lion's den - surface solutions

Besides the significance of the company founding, there were a number of very important milestones in the development of AWUKO ABRASIVES. Here, the numbers 601 and 602, as well as 2050 and 610 have their own success story.

But what is it about these numbers that makes them so special?

601 and 602

The two highly developed production lines for the basic production of abrasives on flexible bases form the core of AWUKO ABRASIVES. Both facilities ensure a high degree of flexibility and constant deliverability over the whole production range.

The two different production processes, which permit mostly interruption-free manufacturing processes, ensure very high quality. With an overall production capacity of more than 20 million square metres per year and a manufacturing width of 2 metres, AWUKO ABRASIVES has the ability to produce an abrasive strip of 10000 km in length. This is equivalent to the length of the entire street network of New York City.

Production facility 602 with its unique flat strip drying process stands out in an international

comparison. It permits fast and constant drying of the whole abrasive material without loss of quality.

2050

With 2050 millimetres, AWUKO ABRASIVES is one of the pioneers of the worldwide largest production widths of coated abrasives.

This width is the foundation for wide belts that are produced with only one joint and therefore guarantee optimum running conditions for machine applications.

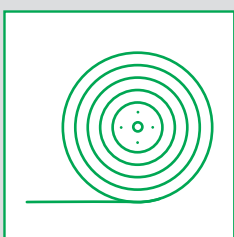
610

This number represents the unrivalled TOP product for the leather industry: KP43E.

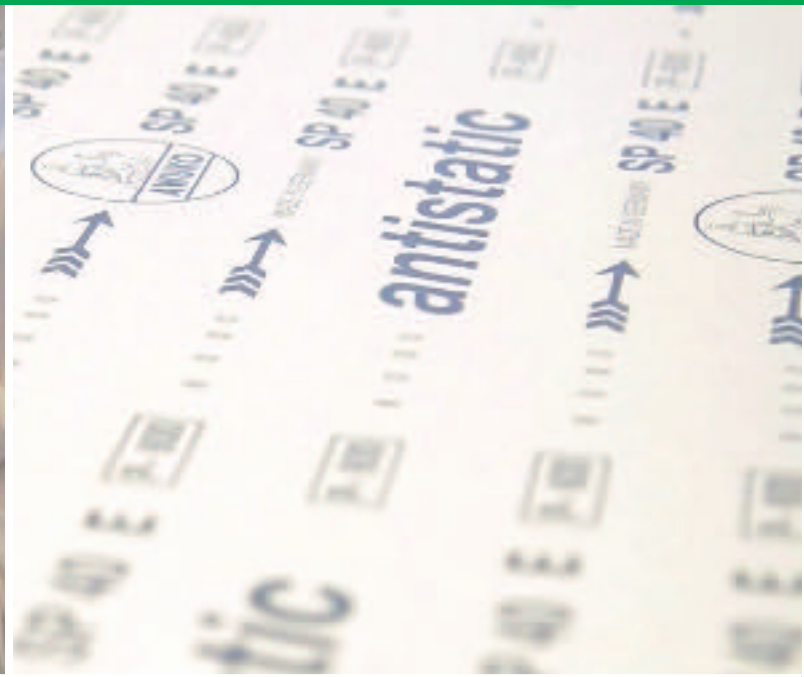
Due to its fine, even and also highly flexible characteristics, AWUKO ABRASIVES has made a worldwide name for itself with this leather abrasive.

The so-called "610" roll from AWUKO ABRASIVES, which derives its name from the 610 millimetre width of the roll, is thus a synonym in the leather industry for the highest quality requirements of the sanding process.

AWUKO - PRODUCTION



- Modern production lines with a capacity of more than 20 million square metres per year
- More than 200 000 production articles
- Jumbo rolls up to 2050 millimetres in width and 6000 running metres in length
- AWUKO makes an active contribution to environmental protection



Raw materials: the most important thing at **AWUKO**

Whether fine or coarse, open or densely coated - AWUKO ABRASIVES produce various abrasives that are suited to the sanding requirements of the corresponding surfaces.

Here, the individual needs of the user are the deciding factors in the further development of existing products, as well as the development of new products. The selection and interaction of high value raw materials in the production of abrasives for constantly increasing requirements are especially important.

Bases

The bases used are paper, cloth or a paper-cloth combination that provide the various types of products with the corresponding characteristics of stability, flexibility, tensile strength, tear resistance, adhesion and expansion.

Binders

The performance of an abrasive is decisively determined by the adhesion of the grit. Water-soluble binding systems of phenol and urea-formaldehyde resins are responsible for this. Some binders are provided with additives to

prevent the clogging of the abrasive by fine sanding dust or to slow the wear of the sanding grit. These additives provide longer usage times and optimum wear of the sanding grit.

One particular binder is the hide glue used by AWUKO ABRASIVES: an animal product that gives the abrasive a unique flexibility.

Grain

The lion's claws!

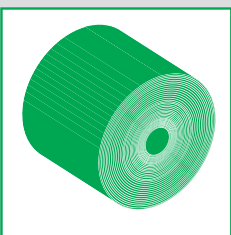
Besides the usual types of grit such as corundum and silicon carbide, AWUKO ABRASIVES also makes use of zircon corundum and ceramic grit.

These have various characteristics regarding their hardness, toughness, brittleness and ultimately determine the specification and area of application of the abrasives.

AWUKO ABRASIVES – quality at the highest level.

The AWUKO ABRASIVES team is at your disposal for further information, offers and technical details. Visit us at www.awuko.com for more!

AWUKO - RAW MATERIALS



- AWUKO uses predominantly European quality materials
- The own laboratory monitors the quality of the raw materials up to the finished abrasives products
- Optimised production processes cause less waste and ensure resource-saving use of raw materials
- Certification according to DIN EN ISO 9001-2000



Quality writes history...



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