Menzerna develops and produces polishing compounds and emulsions for industrial applications. With our consulting services, we assist industrial customers with the optimisation of polishing processes. We cover all aspects of industrial polishing with a wide variety of innovative formulations and complete polishing systems. Menzerna gives premium brands their gloss.

Menzerna solid compounds are suitable for manual workstations as well as fully automated polishing systems. In large and small series, they set consistent surface quality standards with a wide variety of workpiece geometries.

Menzerna emulsions are developed for industrial use. In centrally supplied production lines of bulk consumers, liquid pastes ensure maximum process security, speed, and quality.

Recommendations for polishing Aluminium

- Use buffing speeds of 50-60 m/s.
- Avoid large, heavy particles of the polishing media, otherwise the aluminium lattice structure changes, affecting the result after anodising.
- For hard alloys, use more greasy compounds.
- Avoid oxidised particles in polishing products, polishing defects only weaken the surface finish.
- Use cut-off wheels with an adjusted grain size.
- Aluminium dust is hazardous to health. An effective extraction system is essential. Aluminium polishing waste is susceptible to spontaneous combustion.

» Use Menzerna high-performance polishing compounds:
- Optimised bond
- Better adhesion to the buffing wheel
- Effective heat dissipation
- Use cut-off wheels with an adjusted grain size
- Sanding must not be too coarse
- Material preservation, shorter polishing times
- For hard alloys, use more greasy compounds
- For soft alloys, use drier compounds
- Avoid oversized particles in polishing products
- Polishing defects only weaken the surface finish
- Aluminium dust is hazardous to health. An effective extraction system is essential. Aluminium polishing waste is susceptible to spontaneous combustion.

About Menzerna

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Product Range

Aluminium

Available from:
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Menzerna - Perfection in Polishing. Made in Germany. Since 1888.

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Recommendations for polishing
Aluminium

- Use buffing speeds of 50-60 m/s
- Avoid pronounced surface heating >> otherwise the aluminium lattice structure changes >> negative impact on the result after anodising.
  » Use Menzerna high-performance polishing compounds:
    - Optimised bond
    - Better adhesion to the buffing wheel
    - Effective heat dissipation
- For hard alloys: use more greasy compounds
- For soft alloys: use drier compounds
- Avoid oversized particles in polishing products >> polishing defects only visible after anodising >> high scrap rates
  » Use individually developed Menzerna Top-Cut polishing compounds with an adjusted grain size
- Sanding must not be too coarse >> material preservation >> shorter polishing times

NOTICE: Aluminium dust is hazardous to health. An effective extraction system is essential. Aluminium polishing waste is susceptible to spontaneous combustion.

MENZERNA FOR GLOSS:
- Automobile body trim
- Cookware
- Door and window frames
- Door handles
- Engineering parts
- Furniture components
- Lamps
- Picture frames
- Plates/plain sheets
- Rims

QUALITY MADE IN GERMANY

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MENZERNA FOR GLOSS:
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- Rims
Polishing compounds

SOLID COMPOUNDS

523LBZ 55% - 60% is a highly viscous and fast-acting brush paste. As especially durable abrasive of particularly high quality produces a consistent, matt surface.

439T 60% - 65% is a universal, fast-acting prepolishing compound suitable for a broad range of applications. Quickly removes throwing marks, orange peel and sanding marks.

P14F 60% - 80% is a fast-acting polishing compound with a good cut and broad field of application. Produces cut and high gloss in one step.

480BLF 60% - 80% is a finishing polishing compound developed especially for aluminium surfaces, producing a high gloss and fine mirror finish.

P175 60% - 80% is a superfine, high-gloss compound that is versatile in application. It produces a surface free of lines with a premium deep mirror gloss.

EMULSIONS

EM 246GD 60% - 70% is a reliable pre-polishing compound with high cutting performance and easy degreasing.

EM 235 60% - 70% was developed especially for singlestage, robot-assisted aluminium polishing. Features outstanding heat dissipation. Very quickly creates a surface suitable for anodising, with minimum dust and dirt formation.

EM 291 60% - 70% is specially developed for aluminium surfaces. Perfect focus on larger areas. Guarantees a flawless finish and outstanding shine thanks to state-of-the-art polishing technology.

PE F3151 60% - 70% is a proven, high-quality emulsion for fine buffing. Clean-up time is minimised thanks to an optimum proportion of solids and an optimised bond.

PE 25D 60% - 70% produces a mirror finish that is absolutely free of lines and meets the highest quality standards.

PROCESS RECOMMENDATIONS*

SOLID COMPOUNDS


EMULSIONS

Suitable for anodising. Perfect for use on larger areas. Guarantees a flawless finish and outstanding shine thanks to state-of-the-art polishing technology.

Polishing wheel: Fibre, sisal, cotton

Color: Pink

Finish: Satin-finished

Suitable for anodising

Final surface: High gloss

Surface before polishing

SOLID COMPOUNDS SUPER HEAVY CUT HEAVY CUT MEDIUM CUT FINISH SUPER FINISH

RAW PART

523LBZ

439T

P14F

480BLF

P175

FINE THROWING MARKS

439T

439T

P14F

480BLF

P175

GRIT SIZE P280

439T

439T

P14F

480BLF

P175

GRIT SIZE P400

P14F

480BLF

P175

FINAL SURFACE

SUPER HEAVY CUT HEAVY CUT MEDIUM CUT FINISH SUPER FINISH

RAW PART

2466D

EM 246D/EM 291

PE F3151

FINE THROWING MARKS

2466D

EM 246D/EM 291

PE F3151

GRIT SIZE P280

2466D

EM 246D/EM 291

PE F3151

GRIT SIZE P400

EM 246D/EM 291

PE F3151

*The process recommendations provided were prepared based on our best knowledge. They cover most common practical applications. Additional products are available for other applications.

CONTACT: industry@menzerna.com, www.menzerna.com