



SURFACE TREATMENT



Protecting the future. Together.

Surface pre-treatment for General Industry - Quick Reference Guide EMEA





GLOBAL LEADER IN PROCESS SOLUTIONS FOR SURFACE PRE-TREATMENT.

Nowadays, metal industry is looking for more reliable partners to further progress production processes. Quaker Houghton, the leading supplier of processing fluids for the metal manufacturing industry, is able to offer advanced surface treatment technologies to guarantee customer satisfaction. Thanks to its experienced team of specialists that has been operating in Europe and around the world for more than 25 years, Quaker Houghton has the best technical solutions that can be adjusted to specific demands of the metal surface treatment sector.

It is knowledge application that makes the difference when working with Quaker Houghton

As metal surface pre-treatment specialists, our team of expert works in close contact with customers to evaluate and improve manufacturing processes in a wide range of sectors such as:

- Steel mill
- Hot galvanizing
- Steel & aluminium coil coating
- Automotive industry
- Hot & cold forming
- Industrial painting
- Industrial cleaning
- Plastic
- Steel & aluminium wheels
- Appliances
- Radiators
- General industry
- Aluminium profiles
- Digger industry

We keep improving and you keep succeeding

All the new formulation developments of the EMEA area are performed by the R&D center that is located in QH's Italian manufacturing plants. New raw materials are selected (in accordance with the REACH legislation) and properly combined together to generate innovative and forward thinking formulations for the metal surface pre-treatment.

The R&D center pays specific attention to the development of low environmental impact products, applying its wide knowledge in organic and inorganic chemistry.

In addition, customers are diligently supported by our technical service group that performs routine analysis on working baths and suggests process improvements.



Solutions to improve your performance

Quaker Houghton's formulations are consistent with the REACH regulations and follow the most restrictive environmental laws.

Our wide range of solutions includes:

- Multimetal alkaline cleaners
- Acid cleaners
- Special cleaners for aluminium
- Inter-operational cleaner
- Cleaning additives
- Anti-foam additives
- Zinc and manganese phosphating activators
- Nanotechnologies
- Tri-cationic zinc-phosphating fluids spray/immersion
- Manganese phosphating fluids
- High/low coating phosphodegreasers
- Immersion phosphodegreasers
- Cr-free conversion for aluminium and its alloys
- Cr-free conversion for magnesium and its alloys
- Cr-free passivation fluids
- Industrial maintenance products

Partners in your success

PROCESS COSTS REDUCTION

Thanks to TCO (total cost of ownership) projects, our teams, after a detailed investigation of your plants, will suggest the best series of products, working conditions and operating instructions that can achieve a significant reduction in cost of 10-25% in general.

DEXBOND SZR 103 - 100 - 500 EH TECHNOLOGY

Innovative formulas that replace common phosphodegreasing processes, reducing of 90% sludge formation.

DEXCLEAN SZR WEX 11-22-15 TECHNOLOGY

Designed for the white goods sector, it can ensure a 40% decrease in cost of pre-painting treatment process. The chemical composition guarantees significant drop in environmental impact.

DEXSEAL AND QUAKER SEAL HTEC TECHNOLOGY

Applicative expression of Cr-free and/or silane-based chemistry specially devised to improve metal corrosion protection and paint coating performance.

DEXCONDITIONER TECHNOLOGY

Solid or liquid products that provide excellent substrate activation in zinc and manganese phosphating processes, resulting in very high quality coatings. In addition, particularly with products of HTEC L line, phosphating fluid consumption is decreased by 20-25%.

We offer a range of services to help the world's most forward-looking metalworking companies run even more efficiently and effectively



QH FLUIDCARE™
Managed Services



QH Technical
Services



QH Engineering
Services



QH Equipment
Solutions

Forward Together™

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