

Mirka[®] STYRO Concept For levelling insulation

Mirka introduces a new, clean solution for polystyrene panel installation, called the STYRO Concept. It is Mirka's way of bringing dust-free wall sanding know-how to leveling insulation panels.

By combining the ergonomic LEROS-S 950CV wall sander with the new STYRO backing pad, interface and Iridium STYRO abrasive disc – the sanding becomes easy, clean and fast.



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Mirka[®] STYRO Concept

Insulation panel seams leveling

With the help of Mirka's new STYRO Concept, fitting polystyrene insulation could not be cleaner. When leveling panel seams to achieve a uniform structure, debris is created from sanding insulation foam. To solve this, Mirka's ergonomic and easy to use LEROS-S wall sanders are fitted with a STYRO backing pad, interface and Iridium STYRO abrasives to make sanding work easy, clean and fast. The system is suitable for sanding *underground and external insulation panels* alike.





*EPS = Expanded polystyrene. XPS = Extruded polystyrene

Mirka's LEROS-S wall sander is designed to reduce strain on the operator, helping you to make quick work of the job at hand. Thanks to efficient abrasives and powerful dust extraction, you can minimize both the time needed for the sanding process and the amount of debris from sanding foam. The combination of ergonomic sander design and dust-free sanding reduces discomfort as well as the risk of occupational disease, especially in tackling large areas such as wall insulation.





Technical specifications	Mirka® LEROS-S 950CV
Power input	350 W
Speed	4,000–8,000 rpm
Orbit	5.0 mm
Noise level LpA	73 dB
Vibration level	< 2.5 m/s ²
Length	88 cm
Weight	3.2 kg
Size of pad	225 mm

"With rising energy costs, improved building insulation is a way to prevent costly heating energy from going to waste. We at Mirka are happy to tackle this challenge using the best of our dust-free know-how", says Kristian Johansson, Product Manager at Mirka.

Mirka[®] STYRO equipment

Backing pad / Interface / Abrasive + Sanding tool & Dust extractor



STYRO Backing pad

Mirka® STYRO backing pad suits Mirka® LEROS 950CV / LEROS-S 950CV brushless wall sanders when sanding polystyrene insulation boards (e.g. XPS/EPS). Use together with other Mirka STYRO Concept products. The backing pad size is 225 mm in diameter.



STYRO Interface

Interface developed for sanding polystyrene. Large holes improve extraction capability for large particles, soft structure for reaching optimal sanding result on foam surfaces. Suits Mirka LEROS / LEROS-S wall sanders. This interface is only to be used with Iridium STYRO 8 holes discs.



Iridium STYRO Abrasive

Iridium STYRO abrasive disc developed for sanding polystyrene. Large holes improve extraction capability for large particles. Premium paper backing and precision coating for remarkable flexibility and excellent sanding grain adhesion, featuring a mix of ceramic & aluminium oxide grains.



Mirka[®] LEROS-S 950CV

Reach closer with Mirka® LEROS-S 950CV. A compact length brushless orbital sander with a highly flexible sanding head. Designed for effortless sanding of large surfaces. The LEROS-S has two grip points and is light, balanced and easy to handle. Use together with DE 1230M for dust-free sanding.



DE 1230 M

The professional Mirka M-class Dust extractor has a high performance motor and turbine, which creates 250 mbar vacuum and 4500 l/min air flow. The AutoStart function increases lifetime of the motor and reduces noise. It has auto-filter cleaning, an air-flow sensor and a fleece dust bag included.





Mirka[®] STYRO sanding process



Attach the STYRO backing pad, interface and the Iridium STYRO abrasive to your LEROS-S wall sander.



For Dust-free sanding connect your LEROS-S wall sander to the Mirka Dust extractor, with a hose.





Start sanding the panel seams! The LEROS-S is very lightweight, only 3,2 kg and the flexible sanding head makes it easy to reach everywhere.

Use a straight wood plank or larger spirit-level tool to check that the wall is straight, to see were sanding is needed.



Continue sanding the polystyrene insulation panel seams until all wall panels form a uniform structure.



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