



MPU

The latest generation
of mineral foam
production from
Miralis



MPU Miralis Production Unit

EFFICIENT, ECONOMICAL AND RELIABLE

The Miralis Production Unit (MPU) represents the latest generation of mineral foam production for industrial insulation. Its modular design allows flexible adaptation to different production requirements and areas of application. Thanks to intelligent hardware and software solutions, the MPU enables particularly efficient production and preserves resources. Another benefit: The system can be seamlessly integrated into existing production lines and processes. The production of the Miralis Mineral Foam Insulation (MFI65) takes place exactly where it is most reasonable - directly on site. This not only reduces transport mileage and logistical effort, but also saves valuable space at the production floor. The mobile production unit requires only the space of a standardised container.

TECHNICAL DATA

Parameters	Standard / source
1 Dimensions excl. Big Bag tower	L 5500 mm, W 2350 mm, H 3930 mm
2 Dimensions incl. Big Bag tower	L 5500 mm, W 2350 mm, H 4430 mm
3 Weight	Approx. 9000 kg
4 Power connection requirements	1x CEE 32A / 50Hz – FI type C oder 2x CEE 32A / 50Hz – FI type B
5 Water connection requirements	Domestic water pipe ¾ inch, min. 10 l/min.
6 Material	Outer shell made of steel for maximum stability
7 Space requirement	Depends on the specific floor plan
8 Foundation / floor	68,750 kg/m ² = 0.674 N/mm ² (MPa)
9 Transport	40' High Cube Open Top Container (L 12192 mm, W 2438 mm , H 2896 mm)

ADVANTAGES FOR YOUR CUSTOMERS

- / Efficient, economical and reliable insulation
- / Lifecycle analysis for buildings possible
- / Complete insulated wall system from a single source
- / Space saving: no additional (external) insulation required
- / Wall system & insulation = 100% recyclable

ADVANTAGES FOR YOU AS A PRODUCER

- / Efficient, economical and reliable
- / Industrial and dependable
- / Suitable for wet-cast or dry-cast production
- / Easy integration into existing production processes (plug and play)
- / Reduced personnel expenses
- / Centralised control & monitoring
- / Just-in-time production
- / Value adding
- / Patented & approved



Production process



1. Filling



2. Hydration & further processing



3. Finished wall system

OUTSTANDING FEATURES



Reliable production



Easy handling



Efficient production



Quality assured

THE SUSTAINABLE INSULATION SOLUTION

Miralis MFI65 mineral foam emits around 64% less CO₂* than rock wool and is 100% recyclable. The Mineral Foam Insulation can be shredded with the entire wall system in the recycling process. The shredded material can then be reused in the cement and concrete industry.

*PCF/EPD: CO₂ eq. comparison of Miralis Mineral Foam Insulation and rock wool.

Insulating for a
sustainable future -
for us and for future
generations.

We shape the future

Advantages:

- / Efficient, economical and reliable
- / For industrial use
- / Just-in-time production
- / Simple integration (plug and play)
- / Reduced personnel expenses
- / Centralised control and monitoring
- / Value adding



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