



# HYBILAT<sup>®</sup>-MICRO<sup>®</sup>

expanded by nature

HYBILAT MICRO<sup>®</sup> is a safe and environmentally friendly oil and chemical binder that mixes excellent product properties with a high safety standard and is through DEKRA certified.

## Product specifications HYBILAT-MICRO<sup>®</sup>

HYBILAT MICRO <sup>®</sup>	
grain size in mm	0,3–1,5
bulk weight in kg/m <sup>3</sup>	320 +/- 15 %
thermal conductivity in W/mK	0,08
average grain strength C <sub>a</sub> N/mm <sup>2</sup>	18**
melting point in °C	1000
pH value	7–8
colour	beige
average gross grain density in kg/m <sup>3</sup>	550
Mohs hardness	3
oversize and undersize grain	+/-10% / +/-15%

\* Upon request | \*\* determined in line with DIN V 18004

## Chemical analyses ROTOCELL<sup>®</sup>

silica	SiO <sub>2</sub>	≈ 56,0%
alumina	Al <sub>2</sub> O <sub>3</sub>	≈ 22,0%
alkali	K <sub>2</sub> O+Na <sub>2</sub> O	≈ 5 %/7 %
iron oxide	Fe <sub>2</sub> O <sub>3</sub>	≈ 3,0%
calcium oxide	CaO	≈ 2,0%
magnesium oxide	MgO	≈ 0,5%
titanium dioxide	TiO <sub>2</sub>	≈ 0,5%
loss on ignition		≈ 3,5%



**HYBILAT<sup>®</sup>-MICRO<sup>®</sup>**  
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Fine granulated

**Top absorbent type IIIR - for safe and quick absorption of leaking oil and chemicals**

- A natural product "Made in Germany" made of volcanic rock
- Optimal granulate size 0.3-1.5 mm (14/50 mesh) for a large area coverage!
- Extremely strong absorption capacity (1 kg absorbs ca. 1,15 liters)
- Non-slip and non-slip - also saturated non-slip - small negative slip change after use (SRT value 0%) Holding capacity up to 200 %
- No gas evolution (<100 ml / kg 24 h) \*
- No temperature increase (<10 ° C) \*
- Low dust
- Chemically neutral, non-toxic
- Not a fiber but a "leaflet structure"
- Absorbs almost any liquid quickly and reliably, including Acids, alkalis, chemicals, solutions, (bio) oils, fats, varnishes, oil / water emulsions, fuels including biodiesel and much more. Compared to conventional mineral binders, consumption is reduced by up to 1/3 of the amount previously used if the recommended application of HYBILAT<sup>®</sup> is observed.

\* for the tested chemicals

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**ROTEC<sup>®</sup>**  
expanded by nature

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