

ROTOCELL® is a lightweight and dry granulate that is enhanced to become very pure through a special grinding and sieving processes. ROTOCELL® is used as an aggregate in the paint and dry mortar industries, as well as, a substrate in the construction chemical industries.

## Product specifications ROTOCELL®

ROTOCELL® grain sizes						
grain size in mm	0,04–0,09	0,09–0,3	0,25–0,5	0,5–1,0	1,0–2,0	2,0–4,0
bulk weight in kg/m <sup>3</sup>	540 +/- 15%	390 +/- 15%	350 +/- 15%	330 +/- 15%	310 +/- 15%	290 +/- 15%
thermal conductivity in W/mK	*	*	*	0,08	0,08	0,08
average grain strength C <sub>0</sub> N/mm <sup>2</sup>	*	22**	18**	18**	18**	12**
melting point in °C	1000	1000	1000	1000	1000	1000
pH value	7–11	7–11	7–11	7–8	7–8	7–8
colour	beige	beige	beige	beige	beige	beige
average gross grain density in kg/m <sup>3</sup>	*	700	700	600	550	500
Mohs hardness	3	3	3	3	3	3
oversize and undersize grain	≤10% / ≤15%	≤10% / ≤15%	≤10% / ≤15%	≤10% / ≤15%	≤10% / ≤15%	≤10% / ≤15%

\* upon request | \*\* determined in line with DIN V 18004 | upon request more grit sizes up to 16 mm

## Chemical analyses ROTOCELL®

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%

## Application area ROTOCELL®

Lightweight aggregate for:

- plaster
- mortar
- fine concretes
- construction chemical products
- facade panels
- lightweight building panels
- fire and sound proofing panels
- insulation products
- leveling fills
- plastics
- oil absorber
- water filtration
- winter grit „slip ex“

## Advantages ROTOCELL®

- very low weight
- high compressive strength
- best heat insulation
- excellent sound insulation
- high breathability
- non-flammable
- 100 % mineral
- solvent free odorless
- 100 % recyclable