

## Wear material – AO 1

### Material

- new wear material on the basis of corundum
- 80 N/mm<sup>2</sup> compression strength
- shrinkage-free
- pH – neutral
- high compressive strength
- smooth surface
- low porosity
- similar to ceramic - not as brittle

### Advantages

- + From 20 mm layer thickness
- + High dimension accuracy during production
- + Indentation is possible
- + Reprocessing of the carrier material (steel) is possible
- + Usage between 4-12 pH
- + Lower acquisition costs in comparison to conventional coatings (ceramics, chrome, rare earths...)

### Customer benefits

- Lower wear → longer service life
- Lower maintenance intervals
- Lower acquisition costs in comparison to conventional coatings

### Product applications

- 2008  
The material AO 1 was used for the first time for a high-consistency cleaner (paper and pulp industry) The durability of the cleaner was raised from 3-4 months to 15 months
- 2011  
The usage of AO 1 rotation breakers and junk trap in the paper and pulp industry
- 2012  
Due to further improvement, the durability of the high-consistency cleaner has increased again
- 2012  
First success with AO 1 grinding plates in fiber preparation system

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