Task:

Application field: Building Materials

Material: Gravel

Feed size: 0-3 mm (after pre-grinding with the Jaw Crusher BB 200)

Feed quantity: 200 g

Material specification(s): hard, dry

Customer requirement(s): 40 µm; 80 - 120 ml

Subsequent analysis: not defined

Solution:

Selected instrument(s): Planetary Ball Mill PM 100

Configuration(s): Grinding jar "comfort" stainless steel 500 ml; 8 grinding balls stainless steel ø 30 mm

Parameter(s): Revolution speed 420 rpm

Time: 10 min.

Achieved result(s): 75% < 45 µm

Remark(s): In order to guarantee a representative sample preparation the whole sample (1 kg) was ground in the Jaw Crusher BB 200 with a gap width of 1 mm. Subsequently a representative part sample was dried and ground.

Recommendation: For the fine grinding of hard and heterogeneous gravel the Planetary Ball Mill PM 100 is suitable according to the above mentioned conditions.

The application report is based solely on the processing of the available sample material in the indicated amount. No legal claims shall be derived from this test report. Subject to technical modification and errors.

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Pictures of the sample

**Fig. 1:** Original sample

**Fig. 2:** pre-ground sample in Jaw Crusher BB 200

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