

GRINDING OF ROCK

Copper slate

Initial particle size:
> 80 mm



1

Jaw Crusher BB 250

- | Gap width: 15 mm
- | Final fineness: 40 mm



2.1

Jaw Crusher BB 50

- | Gap width: 1,5 mm
- | Speed: 950 min⁻¹
- | Final fineness: 2 mm



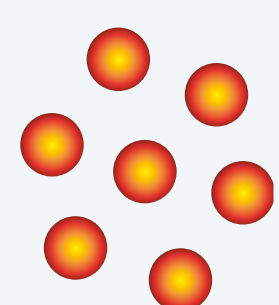
2.1

+

2.2

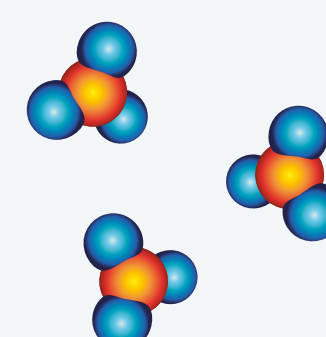
Jaw Crusher BB 50

- | Gap width: 0,1 mm
- | Speed: 950 min⁻¹
- | Final fineness: < 800 µm



FOR XRF

FOR XRD



3

Vibratory Disc Mill RS 200

- | Grinding set: 100 ml
- | Material: Hardened steel
- | Speed: 1500 min⁻¹
- | Grinding time: 2 min
- | Final fineness: 45 µm



3

Sample Splitter

- | Sample division



4

Sieving

- | Hand sieving
- | Aperture size: 500 µm

4

Pellet Press PP 40

- | 12 g sample material + 3 g Licowax
- | Pressure force: 20 t
- | Pressure time: 15 sec, 1 step



5

XRD Mill McCrone

- | Grinding elements: ZrO₂
- | Grinding power: Level 4
- | Grinding time: 30 min
- | Final fineness: 5 µm

