**Task:**

**Application field:** Building Materials

**Material:** Bitumen

**Feed size:** 20-40 mm

**Feed quantity:** 5 l

**Material specification(s):** soft, ductile

**Customer requirement(s):** 3 - 4 mm

**Subsequent analysis:** no informations

**Solution:**

**Selected instrument(s):** SM 2000 Heavy-Duty Cutting Mill

*As the SM2000 was discontinued we recommend to use the SM300 now*

**Configuration(s):** Heavy-Duty Cutting Mill SM 2000 with cutter disk rotor an base frame,
Standard hopper;
Bottom sieves of stainless steel, square holes 6,0 mm

**Parameter(s):** 750 rpm

**Time:** 15 min.

**Achieved result(s):** < 4 mm

**Remark(s):** Before grinding the material was pre-cooled in liquid nitrogen.
To avoid conglutination effects after grinding, the sample container was coated with a small quantity of talcum.

**Recommendation:** For pre grinding of bituminous materials the Heavy Duty Cutting Mill SM 2000 is suitable under the above mentioned conditions.