



**CERAMIL®**  
**CERVICAL CORPECTOMY BLOCK**

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The alumina porous ceramic corpectomy block is non-resorbable and is indicated in cervical spine surgery for vertebral reconstruction for the treatment of tumorous and traumatic pathologies using corpectomy (ACCF)

## INDICATIONS

The CERAMIL® corpectomy block is non-resorbable and is indicated in cervical spine surgery for vertebral reconstruction for the treatment of tumorous and traumatic pathologies using corpectomy (ACCF).

## MATERIAL

The CERAMIL® corpectomy block is manufactured from porous cellular alumina ceramic (Al<sub>2</sub>O<sub>3</sub>). This biocompatible, inert, non-resorbable implant has an open and interconnected porosity structure of 60% similar to that of cancellous bone. The radiolucent characteristics of the implant enables the surgeon to radiographically monitor the positioning and consolidation of the implant.

## DESIGN

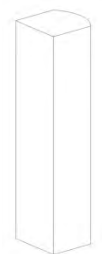
The design and range of sizes enables the surgeon to select an implant that corresponds to the patient's unique anatomy. There are currently 8 sizes with the height varying in increments of 3mm.

## MECHANICAL CHARACTERISTICS

Compression tests have verified the mechanical resistance of the implant ranging from 25 to 60 MPa. Supplemental osteosynthesis devices will be required to ensure primary fixation.

Reference	Dimensions (H x W x L)
M 60 CC 151010	15x10x10
M 60 CC 181010	18x10x10
M 60 CC 211010	21x10x10
M 60 CC 241010	24x10x10
M 60 CC 271010	27x10x10
M 60 CC 301010	30x10x10
M 60 CC 331010	33x10x10
M 60 CC 361010	36x10x10

Sterilization: 25kGy of Gamma radiation

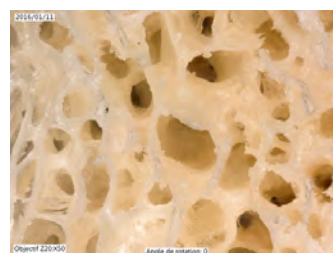


## BIOLOGICAL CHARACTERISTICS

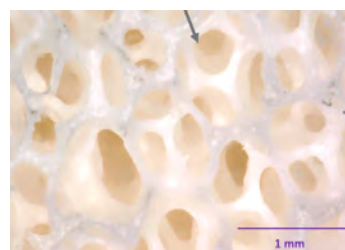
The open and controlled interconnected porosity structure of the CERAMIL® corpectomy block ranges from 200 to 600 µm. This enables the implant to serve as a scaffold with excellent osteoconductive properties contributing towards bone generation and ingrowth. Various clinical results have shown that secondary osseointegration occurs after 3 months with total consolidation taking place from 3 to 6 months.

## ADVANTAGES

Eliminates the need for any internal screw fixations. Eliminates the need for allogeneous and autogenous bone grafts or any other bone graft alternatives. Excellent radiolucent qualities for pre and post-operative imagery.



Cancellous bone



CERAMIL®

