

# Biomaterials Comparison Matrix

Property Product	Osteoconductivity	Adhesiveness	Immediate Mechanical Support Load Bearing / Load Sharing	Drillability	Setting Time	Biological Integration
Allograft (cancellous chips/DBM composites)	Yes	No	No (needs fixation, not structural)	No	N/A (no chemical set)	Yes Bone remodelling
Calcium Phosphate granules/blocks (CaP granules/blocks)	Yes	No	No (needs fixation, brittle)	No for loose granules Yes for blocks and scaffolds in some cases	N/A for granules CaP cements ~20 min	Partially, Bone ingrowth varies by chemistry
Bone cement (PMMA)	No	No	Yes (not biologic load sharing, but immediate structural support)	Yes	Typical setting ~8-16 min	No
Bioadhesive Ossivet+	Yes	Yes	Yes (stability/load sharing & augmentation with fixation)	Yes Sculptable during ~4-6 min Drilling after 8 min	Typical setting ~10 min	Yes Bone integration and remodelling