4MATRIX is delivered in a dual chamber pre-filled syringe, containing physiological saline solution in the first chamber and the granulated powder in the second chamber. The 2 chambers are separated by sealed plungers. Mixing the powder component with the liquid in the syringe results in a viscous composite that is suitable for injection into the graft site.

MC-4MFLI Rev.1

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4MATRIX

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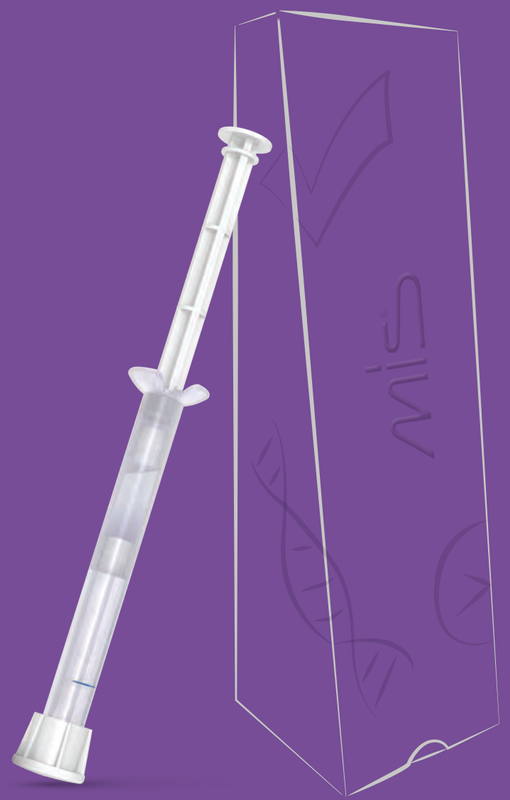
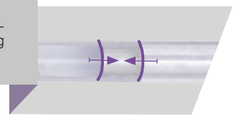
mis 4MATRIX™

4MATRIX Bone Graft Cement is an innovative synthetic bone grafting product developed to simplify dental bone grafting procedures.

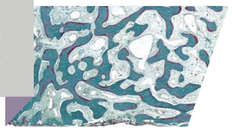
Composed of pure biphasic calcium sulfate & hydroxyapatite and characterized by a predetermined setting time and resorption rate, 4MATRIX is the preferred augmentation product for a wide variety of dental bone grafting procedures.



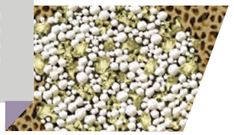
Handling
4MATRIX is supplied in a revolutionary "all-in-one" 1cc sterile syringe for easy handling and placement.



Bone Regeneration
During the augmentation procedure, the biphasic calcium sulfate component of 4MATRIX remains intact in the presence of blood and saliva and stimulates bone growth when placed in contact with bone or periosteum.



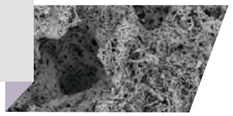
Resorption Rate
4MATRIX is composed of 2 different components. This combination takes advantage of each part of its components. The Biphasic Calcium sulfate is completely degrades in strict relation to the bone formation rate (4-10 weeks), while the HA acts as a longer term space maintainer.

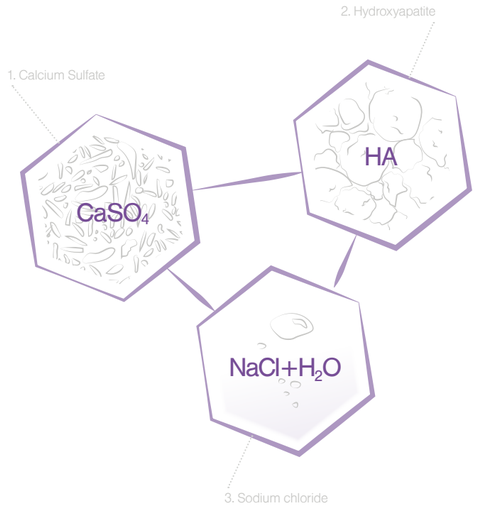


Setting Time
When activated and placed in the defect, 4MATRIX sets in 3-5 minutes, resulting in a porous structure.

Stabilization
The formulated hydroxyapatite component contributes to the longer term space maintaining properties and provides higher mechanical strength and stabilization of the graft for newly regenerated bone.

Chemical Composition
4MATRIX is uniquely composed of biphasic calcium sulfate together with hydroxyapatite granules that determine the strength and bio-resorption period that beneficially influences the bone regeneration rate.





Advantages.

4MATRIX is a patented bone grafting cement, FDA cleared and CE approved. The syringe packaging allows the mixture to be directly injected into the defect site for ease of use and optimal results. 4MATRIX unique and novel engineering process produces a composite graft material with rapid bone regeneration and optimal space maintaining properties. 4MATRIX is biocompatible, enables fast infiltration of blood and growth factors, as well as angiogenesis and cell proliferation. Upon activation of the 4MATRIX cement, the premixed powder is hydrated with sterile saline, ensuring complete wetting of the sterile mix, and a 3 minute working time. Due to its cementing properties, 4MATRIX can be used with or without membrane coverage, reducing working time and costs.