



**GRAFTYS® QUICKSET**  
CALCIUM PHOSPHATE  
BONE VOID FILLER

**NORAKER®**  
THE BIOGLASS® COMPANY



# PRODUCT INTRODUCTION

GRAFTYS® QUICKSET is an injectable, self-hardening, highly porous, calcium phosphate bone void filler

## INDICATION

GRAFTYS® QUICKSET is intended for bony voids or defects that are not intrinsic to the stability of the bony structure. GRAFTYS® QUICKSET is intended to be placed or injected into bony voids or gaps of the skeletal system (i.e., the extremities and pelvis). These defects may be surgically created osseous defects or osseous defects created from traumatic injury to the bone. The product provides bone void filler that resorbs and is replaced with bone during the healing process.

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## DESIGN - AN ALL-IN-ONE CLOSED DEVICE

GRAFTYS® QUICKSET KIT consists of a double-compartment syringe, a cannula and a delivery gun.

- Safe: closed mixing system;
- Swift: intuitive preparation takes only 2 minutes;
- Simple: no extra tools required.

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## PRODUCT FACT SHEET

### Main Composition

Powder:

A mix of calcium-phosphates and a rheo-fluidifying polymer (HPMC)

Liquid :

Sodium Phosphate-based aqueous solution

Final product:

Nano-sized Calcium Deficient Apatite crystals (CDA)

Global porosity:

Up to 70% of global porosity

Microporosity (<10 µm) 88%, mesoporosity (10-100 µm) 2%, macroporosity (>100 µm) 10%

Injectability :

Improved injectability thanks to the rheo-fluidifying polymer

Hydroxypropyl Methyl Cellulose (HPMC)

### Benefits of HPMC polymer

Unique final porosity; Improved injectability; Good cohesion; Optimal filling; No shrinkage (during hardening process)

Compressive strength: Within the range of cancellous bone compressive strength (**24MPa** after 24 hours)

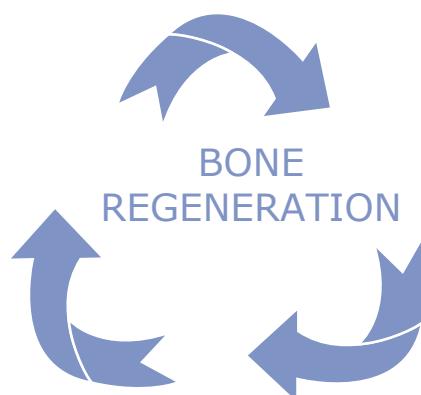
GRAFTYS® QUICKSET has three major components for successful fracture healing- osteogenic cell, mechanical stability and osteoconductive scaffolds.

#### Osteogenic Cell (Osteogenesis)

Macroporosity and permeability of GRAFTYS® QUICKSET enhance the penetration and circulation of cells.

#### Mechanical Stability

It provides a stable enough matrix for secondary bone fixation. GRAFTYS® QUICKSET can also be drilled and screwed. The compressive strength of GRAFTYS® QUICKSET is similar to cancellous Bone.



#### Matrix / Scaffold (Osteoconduction)

The similar composition of GRAFTYS® QUICKSET and natural bone provides a stable osteoconductive scaffold for bone remodeling.



Turn on "Transfer" and push the liquid to the powder chamber.

\* No vial to open and empty or syringe to connect.

Push and pull the mixing element back and forth for 2 minutes.

\* No spatula, bowl and other tools on the edges are needed.

Turn on "Inject" and connect the provided cannula.

\* GRAFTYS® QUICKSET can be injected by hands or with a delivering gun.

TRANSFER

MIXING TIME  
AT AMB. TEMP.

2 min

INJECTION  
AND  
WORKING TIME  
AT AMB. TEMP.

2 min

DRILL &  
SCREW  
INSERTION

Drill & screw can be done during the 2 minutes injecting time or after the 6-20 minutes setting time.

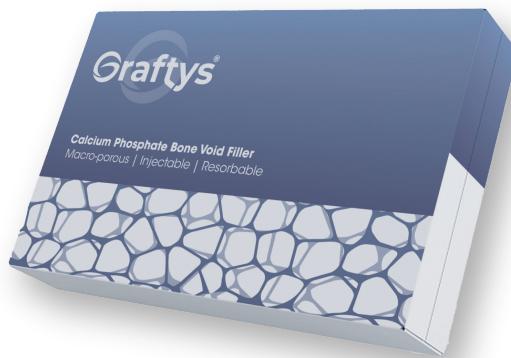
## TECHNICAL INFORMATION

Shelf-life: 2 years

Sterilization: Gamma radiation

Storage Conditions: Room Temperature (15°C to 25°C)

Regulatory Status: FDA Cleared - 510(k) K231714



## ORDERING INFO

Reference	Product	Description	Volume
GYQSMUSV1Q5	GRAFTYS® QUICKSET	Dose GYQSMUSV1Q5	5cc
GYQSMUSV1Q8		Dose GYQSMUSV1Q8	8cc
GYQSMUSV1Q16		Dose GYQSMUSV1Q8 (x2)	16cc
QSMKITUSV1Q5	GRAFTYS® QUICKSET KIT	Dose GYQSMUSV1Q5	5cc
		Cannula GYCAN7G	
		Gun GYINJECTS	
QSMKITUSV1Q8	GRAFTYS® QUICKSET KIT	Dose GYQSMUSV1Q8	8cc
		Cannula GYCAN7G	
		Gun GYINJECTS	
QSMKITUSV1Q16	GRAFTYS® QUICKSET KIT	Dose GYQSMUSV1Q8 (x2)	16cc
		Cannula GYCAN7G (x2)	
		Gun GYINJECTS	

**GRAFTYS®**: A brand owned by NORAKER®, the Bioglass company

In June 2024, NORAKER®, an innovative company specializing in bone regeneration solutions, made the strategic acquisition of GRAFTYS® assets, in order to strengthen its leading position in the field of bone regeneration. Both companies, created in 2005 and renowned in the development of synthetic bone substitutes, are already present worldwide. NORAKER® & GRAFTYS® bring valuable expertise with perfectly complementary ranges of innovative products. This strategic alliance, 100% French, opens up new technological and commercial perspectives.

ADDRESS: 60 Av Rockefeller, 69008 Lyon, FR  
EMAIL: [contact@noraker.com](mailto:contact@noraker.com)



[www.noraker.com](http://www.noraker.com)