SURGIPLASTER

IN CASES INVOLVING REGENERATIVE TECHNIQUES MORE THAN 150.000 HAVE BEEN TREATED WITH SUCCESS

- SPACE MAINTAINER
- TOTALLY ABSORBABLE
- OSTEOCODUCTOR
- BACTERIOSTATIC
- EASILY TO MODEL
- ECONOMIC

GHIMAS

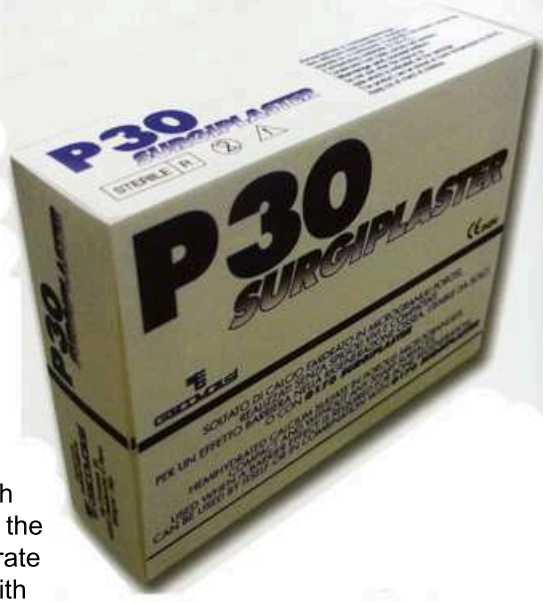
SURGIPLASTER

G170 SURGIPLASTER

Bottle containing 2 g of pre-hardened granules of calcium sulphate with rounded corners and with ideal dimensions to use as an absorbable space maintainer. Working only in a sterile field, the hermetically sealed bottle is opened and the quantity required for the procedure is removed; when the procedure is finished the bottle can be resealed and used again.
The granules are aggregated utilizing the REGULAR liquid. To obtain a more compact mixture more powder from the vial may be added. **G170 SURGIPLASTER** is indicated for more extensive lesions (usually greater than 5 mm), for example, a post cystectomy, disinclusion of the third molars, split crest procedures or as a space maintainer under a membrane (can be used alone or combined with **P30 SURGIPLASTER**).

SURGIPLASTER is a biocompatible and absorbable space maintainer which has been used successfully for many years.
The results obtained with **SURGIPLASTER** in dental surgery, periodontics, endodintics, and implantology all which necessitate the regrowth of bone tissue, are documenteted in numerous international scientific works. Calcium sulphate the "raw material" of **SURGIPLASTER**, is known for its optimal biocompatibility, total absorbability, its ease of use and for the predictability of the results.
Ghimas has created a new technology for the production of **SURGIPLASTER**, in order to guarantee all the advantages of calcium sulphate and to overcome the small inconveniences which arose during the course of using the product. The actual procedure for the production of **SURGIPLASTER** permits the realization of calcium sulphate granules with particular characteristics for compacting, form and dimension.
The compactness of the granules of **SURGIPLASTER** permits an absorption time of the calcium sulphate suitable for the neogenesis of bone in the application sites.
The form of the granules without any "sharp corners" is considered from a biological point of view, to improve the biofunctionality of the osteogenic cells, that prefer rounded

P 30
SURGIPLASTER



Bottle with 2 g. of pre-hardened emidrato calcium sulphate microgranules with rounded corners and having a suitable dimension for obtaining an absorbable plastic cement for dental use.
Remembering to always working in a sterile field, open the hermetically sealed bottle and remove the quantity of material necessary for the procedure; at the end of the work session the bottle can be resealed.
Pre-hardened microgranules are easily kneaded with a minimal quantity of REGULAR liquid (composed of saline solution) to obtain a paste that is easy to use.After the material is positioned and compacted into the defect,it is necessasry to reduce any excess liquid with the absorbant TNT gauze mounted on a tweezer. It is recommended to remove as much blood as possible from the operatory field. To give greater consistency to the material, the vial containing a support dose of calcium sulphate hemihydrate may be used. The external layer can be hardened by lightly touching it with the gauze which has been soaked with the **FAST** liquid, composed of 4% potassium sulphate.
P30 SURGIPLASTER is indicated for small defects such as dehiscences and fenestrations, immediately loaded implants, post extraction sockets, as a space maintainer under membranes and as a collante in bone grafts. **P30 SURGIPLASTER** can be used alone or mixed with **G170 SURGIPLASTER**.

rounded surfaces. The absence of “sharp corners” is also important because it permits the the granules blend in a cohesive way with the saline solution, and becomes “easier to use, **SURGIPLASTER** , thanks to the compactness of the granules, their form and to the controlled granulometry, becomes even more manageable which permits it to be used better and easier in all situations.

SINUS SURGIPLASTER

Composed of pre-hardened granules of calcium sulphate with rounded corners and having a dimension between 1,000 and 2.000 µm, it is particularly indicated as a filler for major lifts of the floor of the maxillary sinus and for filling large bone cavities, The pre-hardened granules are easily positioned in the application site by using the prefilled syringe which has a beveled opening. The large granulometry of the granules permits a better and more rapid stabilization of the coagulum, a condition indespensible for a complete bone regeneration, even in bone defects with a large dimension. The quantity of material contained in the beveledsyringe is usually sufficient to perform a major lift of the floor of the maxillary sinus. In a two step procedure, such as filling large bone cavities or for a bilateral sinus lift, remembering to always work in a sterile field, it is possible to close the bevel with the cap provided with the syringe.

SURGIPLASTER

SPACE MAINTAINER

With the adoption of membranes up until today we have achieved the result of maintaining a space and preventing the invasion of epithelial cells into an area destined for neoformed bone.

SURGIPLASTER posseses a space-maintaining effect that prevents connective cells from occupying the bone defect.
For this reason **SURGIPLASTER** can be used as an alternative or in conjunction with membranes.

TOTALLY ABSORBABLE

SURGIPLASTER is completely absorbed during a period that ranges from 4 to 12 weeks, enabling it to be totally substituted by bone tissue.

The aqbsorption of **SURGIPLASTER** does not provoke any increase in the the blood calcium level which could be interpreted as a false positive for hyperthyroidism. Calcium sulphate, when utilized in the correct form and under determinate conditions, has intrinsec bioactive characteristics.

SURGIPLASTER cannot be considered a simple filler, on the contrary, it is a bone repair material that is totally absorbable, and stimulates bone growth in an active way by means of depositing a bioactive latice similar to that of biological hydroxyapatite.

OSTEOCONDUCTOR

SURGIPLASTER is an osteoconductive material that favors the regrowth of trabecular bone with ample medullary spaces; the bone that is reproduced is vital trabecular bone. In addition, the matrix of calcium sulphate favors the growth of blood vessels and osteogenic cells.

BACTERIOSTATIC

A good material should inhibit the proliferation of bacteria at the receiving site. **SURGIPLASTER** inhibiting the growth of bacteria also permits tissues to heal by second intention.

EASY TO MOLD

Often, the positioning of common grafting materials is problematic due to the shape of the bone defect and the tendency of the material to migrate with respect to the site.

SURGIPLASTER, which is produced by Ghimas S.p.A., once it is mixed, offers a better plastic consistency which makes it easier to model and allows a more precise positioning into the defect.

ECONOMIC

Often in regenerative therapies, the areas of the intervention are quite extensive and the particularly high cost of graft materials could discourage their use. Instead, the cost of **SURGIPLASTER** is relatively low which allows it to be used in many procedures which normally would be avoided due to the high cost.