



OSTEOPAL[®]

THE PRODUCT LINE
FOR SPINAL SURGERY

OSTEOPAL® V

THE BONE CEMENT FOR SPINAL SURGERY – USED FOR DECADES

For over 60 years, Heraeus has been the leading specialist for bone cements “Made in Germany”. The Heraeus product portfolio has been continuously developed with the benefit of decades of experience and success from PALACOS®. Expansion of the OSTEOPAL® portfolio brings two spinal cements that meet the exacting demands of vertebral body augmentation. Heraeus therefore provides for a wide range of uses and tremendous flexibility.

The classic in vertebral cement augmentation, OSTEOPAL® V, is an X-ray positive, low-viscosity bone cement for filling and stabilising vertebral bodies. It is prepared by mixing a polymer powder with a liquid monomer component. Zirconium dioxide is added to the cement powder as an X-ray contrast agent, permitting optimal imaging.¹ OSTEOPAL® V has proven its worth in spinal surgery over the last 15 years thanks to its outstanding properties.

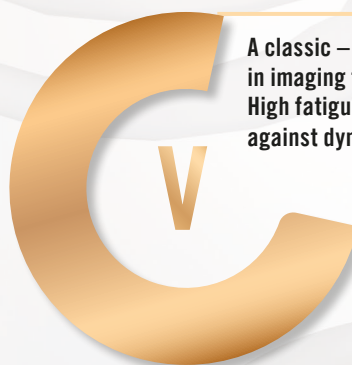
The formulation is based on the raw materials used in PALACOS®, a product that has been successfully tried and tested against other bone cements in numerous clinical studies and registries.

ADVANTAGES AT A GLANCE

- Used for decades in spinal surgery
- Simple application thanks to optimised viscosity
- Control over application thanks to zirconium dioxide as an X-ray contrast agent

OSTEOPAL® V

A classic – High visibility in imaging techniques. High fatigue strength against dynamic loading.¹



OSTEOPAL® PLUS

THE SPINAL CEMENT WITH ADDED TIME

OSTEOPAL® plus

Added time – OSTEOPAL® plus combines the benefits of a classic with a prolonged working time.

plus

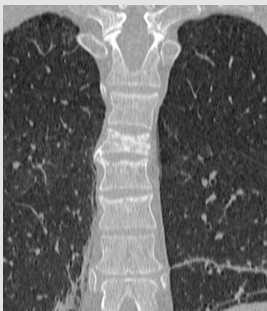
The excellent material properties of OSTEOPAL® plus reflect those of the proven OSTEOPAL® V, combining these properties with a prolonged working time. Impressive product characteristics mean that OSTEOPAL® plus is especially suitable for vertebral body augmentation in several stages, since the cement has a longer application time.

ADVANTAGES AT A GLANCE

- Prolonged working time
- One mixture for several vertebral bodies
- Based on OSTEOPAL® V
- Simple application thanks to optimised viscosity
- Control over application thanks to zirconium dioxide as an X-ray contrast agent



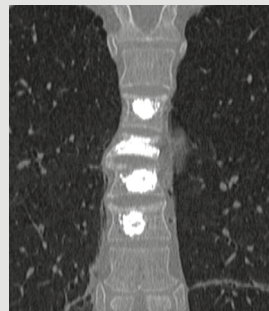
CLINICAL CASE STUDY: VERTEBROPLASTY FOR AN OSTEOPOROTIC VERTEBRAL BODY FRACTURE



PREOPERATIVE



PREOPERATIVE



POSTOPERATIVE



POSTOPERATIVE

Surgical technique: Vertebroplasty

Diagnosis: Painful, acute osteoporotic fracture T4, T5, T6, T7

Case: 55 year-old male patient on corticoid therapy

Source: Prof. Gangi, Nouvel Hôpital Civil/NHC, Strasbourg, France

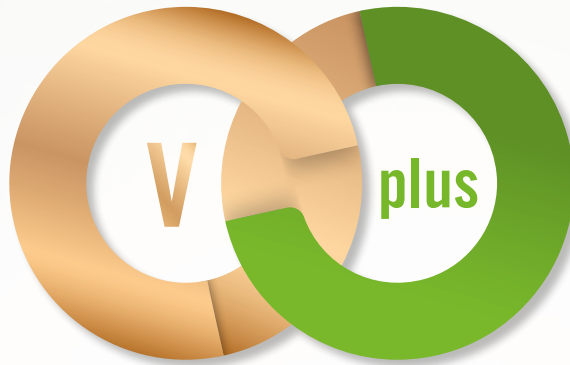
- Augmentation of vertebral bodies T4-T7 following osteoporotic fracture
- Postop: Excellent visibility of cement filling on imaging

OSTEOPAL®

THE PRODUCT LINE FOR SPINAL SURGERY

OSTEOPAL® V

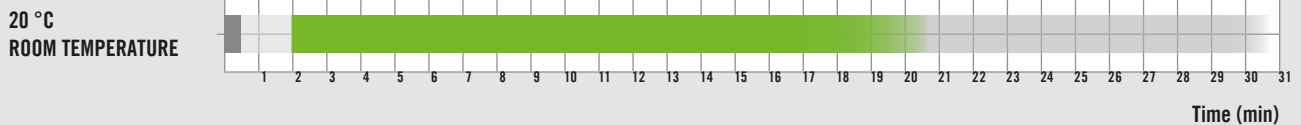
A classic – high visibility in imaging techniques. High fatigue strength against dynamic loading.¹



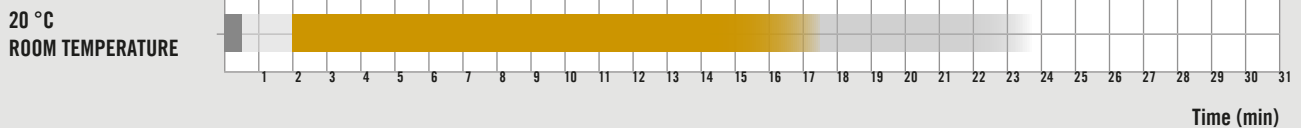
OSTEOPAL® plus

Added time – OSTEOPAL® plus combines the benefits of a classic with a prolonged working time.

WORKING TIME OSTEOPAL® PLUS



WORKING TIME OSTEOPAL® V



Mixing
 Waiting
 Application OSTEOPAL plus
 Application OSTEOPAL V
 Setting
 Test conditions: 55% humidity

Product	Description	Content	REF
OSTEOPAL® V	Radiopaque bone cement for filling and stabilising vertebral bodies	1 x 20	66031896
OSTEOPAL® plus	Radiopaque bone cement for filling and stabilising vertebral bodies with an extended application time	1 x 20	66045747

Simply order from Heraeus.

¹ Data on file at Heraeus Medical GmbH.

www.heraeus-medical.com