

# Technovit 6091

## Veterinary Medicine

- Easy and uncomplicated handling
- Hoof-protecting
- High wearing comfort



**KULZER**  
MITSUI CHEMICALS GROUP

## TECHNOVIT 6091® THE ORIGINAL HELPING REDUCE PRESSURE IN THE TREATMENT OF LAMENESS

### AREAS OF APPLICATION

#### A - Claw treatment

- Immobilisation of claws in the case of inflammatory diseases
- Fixation of tip of claw

#### B - Fracture treatment for large and small animals

- Extracutaneous splinting after Becker in the case of osteosynthesis
- Transversal fixation by means of Kirschner drill wires in the case of fractures of the tibia and fibula
- Fractures of the distal phalanx
- Reinforcement of bandages
- Shortening of the healing process of the affected claw

### THE MOST IMPORTANT ADVANTAGES AT ONE GLANCE

- Fast recovery from lameness
- High degree of profitability: no reduction of milk yield, no loss of weight
- Easy and uncomplicated handling: the accelerator reduces the curing time without rising in polymerisation temperature. Individual adjustment of the curing time to preferred way of working/speed
- Hoof-protecting: Gentle procedure in comparison to conventional products due to the minimum possible polymerisation temperature. When the healing process is terminated the material can be removed easily and without negative effects on the claw
- Optimal wearing stability: The material features an extreme impact strength
- High wearing comfort: Due to its resistance to bending, Technovit 6091 is optimally adjusted to the cow's natural movements

### HOW DOES TECHNIVIT 6091 WORK?

As a rule, only one of the two claws is affected and needs medical treatment. If a corrective cut of the diseased claw is no longer possible, Technovit 6091 is used to glue a wooden block to the healthy claw that is able to tolerate pressure.

Rapid and gentle reduction of pressure in the case of lameness!

In this way, the elevation of the healthy claw reduces pressure on the diseased claw. This reduction of pressure leads to normal movements of the cow and speeds up recovery. The cows get used very quickly to the wooden block and even severely limping animals are able to walk practically without a limp after the treatment has been performed. In this way, they can be integrated into the herd, particularly when kept in a barn or on pastures.

### MATERIAL PROPERTIES

Technovit 6091 is an MMA-based fast-curing resin. Thanks to a special combination of materials, the resin is of dough-like consistency already a few minutes after the mixing process and then can be applied immediately to claw and wooden block and modelled into desired shape. Depending on outdoor temperatures, the resin is fully cured after 4 to 6 minutes and after cooling down it has its full load bearing capacity.

Subsequently to a treatment of 10 minutes, the animal can walk free of pain!

### NO STRAIN DUE TO TEMPERATURE

The maximum reaction temperature is 86 °C which is less than with other comparable products. Seeing that the horn of the claw has a very low thermal conductivity, the temperature at the dermis does not exceed 39 °C.

No damage, no pain!

### THE COMPONENTS

The system is equipped with all required accessories like all-purpose wooden blocks, mixing cans and wooden spatula etc.

#### Technovit 6091 classic

Technovit 6091 is a fast-curing 2-component resin based on MMA, that consists of a powder and a liquid component. The Technovit-pastry is castable and ductile.  
Colour: grey

#### Technovit 6091 accelerator

The accelerator shortens the polymerisation time of Technovit 6091 without increasing the polymerisation temperature (different from using a hair-dryer to shorten the polymerisation time). The operator is able to adjust the curing time individually by adding the accelerator. In this manner the processing of Technovit 6091 can be customised perfectly to the personal mode of operation. Particularly at low outside-temperatures the addition of Technovit 6091 accelerator is highly recommended to shorten the curing time.

#### TIP:

TO ACCELERATE THE POLYMERISATION, USE OUR TECHNIVIT 6091 ACCELERATOR - DO NOT USE A HAIR-DRYER! THE USAGE OF A HAIR-DRYER LEADS TO A HIGHER POLYMERISATION TEMPERATURE. RESULTS: DAMAGE OF TISSUE AND PAINS!

## TECHNOVIT 6091® THE ORIGINAL STEP BY STEP

### A - Preparation of the claw

Treatment of the diseased claw after veterinary medical indication. Subsequently cleaning of the healthy claw. The claw ought to be free of dirt and dust so that the resin connects well with it

### B - Mixing

Put liquid Technovit 6091 and accelerator in the cup, add powder and mix to a homogenous bulk.

### C - Processing

#### Application

Apply material with a wooden spatula in a thick layer to claw bottom and wooden block. Subsequently glue-on wooden block directly to the claw.

#### Pressing on

After firmly pressing-on the wooden block to the claw bottom, model the overflowing material over horn and side surface of the wooden block.

#### Hardening

When the resin is fully cured, the claw is completely stressable.

### D - Removal

After ending the healing process, the wooden log can be removed mechanically with a suitable tool.

### PRACTICAL TIPS

If you shape or model the resin with bare hands wet your hands first with water in order to keep the cold polymerisation from sticking to your fingers.

Particular attention must be paid to the cleft of the claw. Any sharp edge or peak of the cured resin may easily lead to injury.

Depending on the temperatures, the resin is fully cured in approximately 5 minutes and the claw has its full load bearing capacity. With high temperatures this goes very fast.

In winter you may use Technovit 6091 accelerator to increase the polymerisation speed (do not use a hair-dryer, it only would increase the polymerisation temperature which might lead to impairment of the claw).

The wooden block can be used double-sided, therefore it is important to spread the resin on the proper side. Shape the resin around log and sand blasted claw septum, comparable to a slipper and let it harden.

#### ADVISE:

DO NOT PUT ANY GLUE IN THE AREA OF THE BALL, OTHERWISE DENTS WILL FORM IN THAT ALGETIC REGION.



Preparation



Preparation



Liquid



Powder



Mixing



Application



Application



Pressing on



Modeling



Hardening and Bandage

## DO YOU ALREADY KNOW TECHNOVIT-2-BOND?

### Properties:

- The 2-component adhesive Technovit-2-Bond does not require a separate mixing process and can be applied immediately after preparation to the claw
- The light-pasty viscosity prevents the spilling out of the adhesive on the claw and block
- The processing time of 20 - 30 seconds and a curing time of about 3 minutes enables a quick claw treatment and is consequently less stressful for the animal

The fast 2-component PU adhesive for claw treatment!

For more information please visit:  
[www.technovit-2-bond.de](http://www.technovit-2-bond.de)



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