

## KOBRA CAST® Art – break new ground



## KOBRA CAST® Art – endless possibilities



## KOBRA CAST® Art – endless innovation for creative people



### KOBRA CAST® Art – advantages that pay off

The thermoplastic polyester cast bandage **KOBRA CAST® Art** is the epitome of innovation – for stage and mask designers, artists and craftsmen, architects and model makers, handicrafts enthusiasts and interior designers who no longer want to be restricted by materials such as plaster bandages and styrofoam in their creative art.

This creative material made from flexible polyester fabric is activated by heat, has perfect modelling properties, is extremely robust after it has set, but can still be reshaped and corrected at any time through heat, and is simple and clean to process, economical to use and extremely versatile. Everything speaks for **KOBRA CAST® Art**.

#### KOBRA CAST Art is surprising and convincing

**KOBRA CAST® Art** is not only convincing due to its application strengths, but also because overall it is an extremely efficient working material in all kinds of ways. In terms of safety, the innovative plastic bandage has significant advantages compared to conventional materials, for example, because it is light-weight. **KOBRA CAST® Art** also scores points in terms of cost-effectiveness. Virtually no waste is created during application and consumption is two-thirds less when compared directly with plaster bandages.

**KOBRA CAST® Art** reveals a surprising number of new strengths with each newly discovered use and each additional application. The list of benefits is getting longer and longer – in terms of both creativity and user-friendliness and material consumption and cost-effectiveness. **KOBRA CAST® Art** is already considered an incomparable creative material; and we are only at the beginning of its success story ...

### KOBRA CAST® Art – convincing qualities

- Activation through heat (for example Hot Air Dryer; Water Boiler) with a minimum of 158 °F within a few minutes
- Processing time approximately 5 minutes
- Material sets within 15 minutes and can then be further processed
- After setting can be reactivated and reformed at least 10 times
- Simple, safe and clean handling
- Absolutely free of potentially harmful isocyanides and glass fibres
- Outstanding modelling properties for true-to-detail precision work and relief moulding
- Waterproof and weather-resistant, therefore suitable for outdoor use
- Surface offers support for commonly used paints, varnishes, films and lining materials
- The material structure ensures air permeability and an excellent stability/weight ratio
- High shock and pressure resistance
- No unusable residues
- Waste can be disposed of in residual waste in compliance with official national regulations
- Can be stored for at least 3 years, even without packaging



■ KOBRA CAST® Art  
■ Styropor®  
■ Plaster bandages

Chart: comparative values of KOBRA CAST® Art versus other materials (approximate values as percentage)



#### Masks

Prop masters and costume or mask designers need a working material that combines a high level of form stability and maximum universal applicability with a convincing appearance and optimum wearing comfort ... **KOBRA CAST® Art** offers all this and many more benefits. It can be shaped individually and has outstanding modelling qualities – ideal for masks, helmets, armour and much more.

#### Sub-construction

How does it manage to effectively reinforce sub-constructions without significantly increasing the overall weight? Thanks to the lattice structure of its fabric, **KOBRA CAST® Art** is perfect for this. Its surface also offers excellent support for commonly used paints, lining materials and films. Fabrics, feathers and other materials can be sewn or stuck on.

#### Decoration

You have ideas how you can improve your home, but you lack the necessary material to put your ideas into action? Whether decorative lamps, imaginative flowers or statues with that certain personal touch, with **KOBRA CAST® Art** and just a little bit of practice, your creativity will know no bounds!

#### Model-building

Small trees to embellish your master's thesis as an architect, large tunnels for the model railway in the garden or hobby room, to which you want to lend the realistic appearance of well-known mountain formations ... Whatever model you want to bring to life, **KOBRA CAST® Art** may be the help you have been looking for for ages to put your ideas into action. It's reasonably priced, fast and clean!

#### Sculptures

As an artist, you should not reduce your creative powers to the limits of the materials you use! Its outstanding modelling qualities make **KOBRA CAST® Art** so endlessly versatile that it optimally supports the creative process and even opens up completely new possibilities.

#### KOBRA CAST® Art

Width in cm	Length in m	Length (stretched length)	Colour: white Art. No.	Colour: blue Art. No.
2.5	1.8		40445007	
5.0	3.6		40445008	40445022
7.5	3.6		40445009	40445023
10.0	3.6		40445010	40445024
12.5	3.6		40445011	
50.0	5.0 (unstretched length)		40445027	

“To achieve the stability of a layer of KOBRA CAST® Art, one would expect to use at least 3 layers of plaster bandages in comparison – not to mention the shock resistance, its significantly shorter processing time and the reduced weight...”

Martin Reszler, Head of Painting Shop  
Pfalztheater Workshop Kaiserslautern

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**KOBRA CAST® Art**

**KOBRA CAST® Art – innovative, flexible and endlessly creative.**



"Der Freischütz", Pfalztheater Kaiserslautern (2005/06 season) – stage decoration made from **KOBRA CAST® Art** (stag's antlers front right; birds' wings rear centre)

Where creative solutions are concerned, **KOBRA CAST® Art** opens up undreamt of possibilities – no matter whether the innovative plastic bandage is used to mould and model theatre props and masks or create sculptures or implement decorative ideas; even architects and other model builders know how to use the versatile material creatively. Like no other product, **KOBRA CAST® Art** succeeds in providing proof of its outstanding material qualities in all manner of fields of application.

For a good year now **KOBRA CAST® Art** has been used at the Pfalztheater Kaiserslautern – first in its workshops and now in its mask design department and the "witches' kitchen". After the initial stage experiences it quickly became clear how varied the possible applications are in the theatre – and its huge creative potential is far from having been exhausted!

**Fascinating possibilities – not just for stage professionals**

In addition to the theatre, **KOBRA CAST® Art** has also proved to be an outstanding success in many other areas. Professional users and hobby handicrafts enthusiasts appreciate the easy handling and application, the excellent modelling capability and the unique possibility of being able to make changes and corrections by simply reheating it. All these qualities make **KOBRA CAST® Art** a perfect working material, as its possibilities are just as endless as your imagination and creativity!

"Scarcely believable the amount of detail and accuracy that can be achieved when moulding the material! If I had used **KOBRA CAST® Art** instead of plaster bandages, I would have only needed a quarter of the material to make a model skull and it would only have taken about 45 minutes rather than hours."

Birgit Lüdtko, "Hexenküche", Pfalztheater Kaiserslautern



Once the material has been roughly formed, the simplest way to complete the detailed work is by using a hairdryer or hot-air gun.

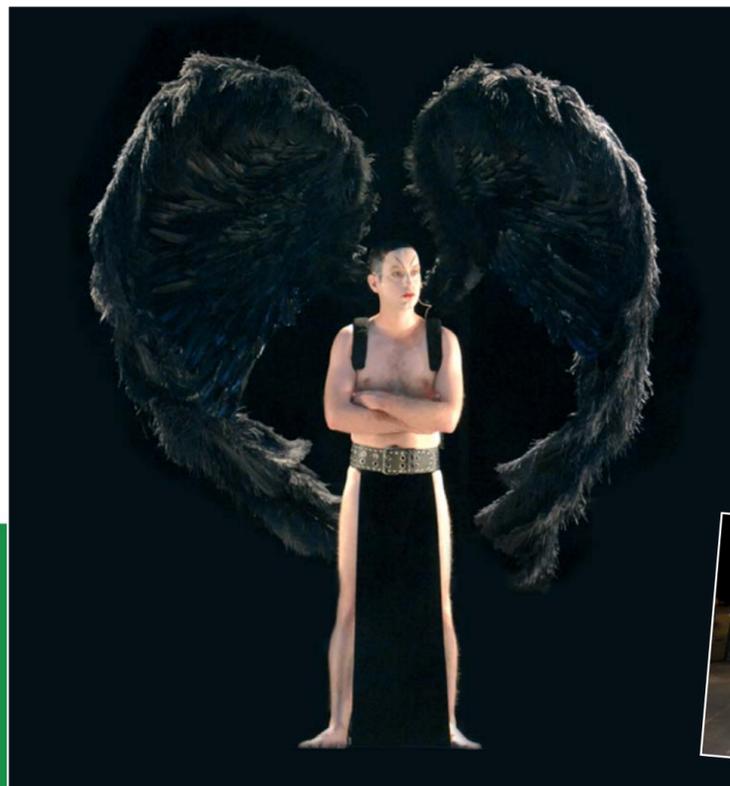
The basic wing shape made from wire is first roughly embedded in **KOBRA CAST® Art** along the struts.

**Mephisto's wings**

The task of building a wing support for the title character of the Mephisto production posed a tricky problem for the craftsmen and women in the Pfalztheater Kaiserslautern workshop: How were they supposed to achieve high inherent wing stability without it becoming too heavy and therefore literally unbearable for the actor?



"Mephisto", Pfalztheater Kaiserslautern (2006/07 season) – wing construction underlaid with **KOBRA CAST® Art** with sewn-on feathers in use on the stage.



**KOBRA CAST® Art provided the solution:**

As illustrated in the pictures, a wire support was designed to create the basic shape. A hot-air dryer was used for the precision work. The result is a highly robust wing sub-construction that is more comfortable to wear than any other previous attempt. The narrow-meshed lattice structure of the material not only helped to keep the weight of the total construction down, but made it possible to sew on feathers in the subsequent working steps and cover the supporting device itself with fabric. The convincing result speaks for itself!



**KOBRA CAST® Art – diversity at its very best**

**GHOSTS – shining examples**

In 2004 **KOBRA CAST® Art** was used for the very first time by the artist Simone Decker to create larger-than-life sculptures. Her unusual works of art evolved under the project name "GHOSTS", whereby Decker covered original statues with the thermoplastic polyester cast bandage. To protect against any impurities and to make it easier to remove the moulds, the artist used a plastic foil between the cast and the original as a separating layer. Finally she painted the moulds with a special fluorescent epoxy resin, which not only stabilised the objects, but also lent them their ghostly glow.



In total over ten of these "GHOSTS" were created in this way. After several exhibitions, including one held in the foyer of Luxemburg Casino, they have now found a permanent home in various exhibition rooms.



Picture top and left: Exhibition held in the foyer of Luxemburg Casino – Simone Decker, GHOSTS, 2004

"The characteristic features of the material are its sturdiness, flexibility and outstanding modelling qualities ... A wonderful, almost perfect mixture! With a bit of practice, **KOBRA CAST® Art** makes almost every only imaginable modelling work possible."

Simone Decker, Artist



**KOBRA CAST® Art – application**

**Simple preparation:**

- Hot water (minimum 158 °F), provide tongs and a towel
- Plunge **KOBRA CAST® Art** into hot water



**Short activation time:**

- Depending on water temperature, wait for 3-7 minutes, then the bandage can be modelled
- Lightly squeeze out surplus water in the towel after immersion



**Convenient to process:**

- **KOBRA CAST® Art** can be formed or processed for approximately 5 minutes
- To ensure bonding stability, the cement should be processed with approximately a third of an overlap
- To make corrections or carry out detailed work, simply reheat the material to restore it to a malleable state
- It is not necessary to wear protective clothing such as gloves



**Fast reprocessing:**

- **KOBRA CAST® Art** is completely set within 15 minutes and can be reprocessed straight away
- The bandage layers can be separated with conventional cutting tools, such as a cutter or plaster knife



**Favourable storage/disposal:**

- **KOBRA CAST® Art** can also be stored without packaging for at least 3 years
- Dispose of in residual waste or household waste in compliance with official national regulations



**Art**