

SHERA



Investment materials

Because precision creates trust.



Application areas | Complementary products | Tips and tricks

YOUR CHALLENGE – OUR SOLUTION

SHERA INVESTMENT MATERIALS: PRECISION YOU CAN RELY ON

SHERA offers a versatile investment programme that meets the most diverse requirements of pressing and casting technology. The portfolio is complemented by a high-temperature-resistant die investment – specially developed for demanding layering technology. Technically mature, reliable in application, convincing in performance.

YOUR ADVANTAGES AT A GLANCE:

- **Standardised system** All compounds can be processed with **just one expansion liquid**
- **Precise controllability** Controlled expansion for maximum dimensional accuracy
- **Flexible use** Suitable for speed casting and traditional heating
- **Customised for specific applications** For optimum results depending on the area of application
- **True to detail & fine-grained** Reliably captures even the finest structures
- **Outstanding surface quality** For smooth, precise casting results
- **Efficient degassing** Open structure for optimum gas permeability
- **Reduced reaction layer** Reliably binds oxides and residues

SHERA INVESTMENT MATERIALS – FOR IMPRESSIVE RESULTS.

AREAS OF APPLICATION FOR SHERA INVESTMENTS

| | SHERAFINA® 2000 | SHERAFINA-RAPID | SHERACAST | SHERACAST 2000 | SHERAVEST-RP | SHERATITAN-EASY | SHERAFRIXION | SHERAUNDER-PRESSURE | SHERAREFRACT |
|---------------------------------------|-----------------|-----------------|-----------|----------------|--------------|-----------------|--------------|---------------------|--------------|
| INDICATION | | | | | | | | | |
| Refractory dies | | | | | | | | | ★ |
| Inlays-Onlays classically modelled | ★ | ★ | | | | | | | |
| Crowns & bridges classically modelled | ★ | ★ | | | | | | | |
| Crowns & bridges 3D printing | | | | | ★ | | | | |
| Crowns & Bridges Titanium | | | | | | ★ | | | |
| Model casting – 3D printing | | | | | ★ | | | | |
| Model casting duplicated in gel | | | ★ | | | | | | |
| Model casting duplicated in silicone | | | ★ | ★ | | | | | |
| Model casting titanium | | | | | | ★ | | | |
| Pressed ceramics – 3D printing | | | | | | | | ★ | |
| Pressed ceramic wax-up | ● | | | | | | | ★ | |
| Pin abutments | ★ | ★ | | | | | | | |
| Telescopic double crowns GOLD | ★ | ★ | | | | | | | |
| Telescopic double crowns NEM | ● | ● | | | | | ★ | | |

★ very suitable

● suitable

SHERAFINA-RAPID

Investment material for crown and bridge technique

- for all non-precious metal to high-gold alloys
- easily controlled expansion
- flowable, fine consistency
- for castings with smooth surfaces
- for a precise fit
- for speed casting and traditional heating process

SHERAFINA® 2000

Investment material for crown and bridge technique

- premium quality for all non-precious metal to high-gold alloys
- adapted to gold telescopes and pressable ceramics
- very fine and dense consistency for castings with very smooth surfaces and an extremely precise fit
- easily controlled expansion
- for speed casting and traditional heating processes

If you are ready to throw yourself into dental casting, you can rely on [SHERAFINA® 2000](#). With this high-tech investment, you have everything from a single source - from easy-to-control expansion to extremely smooth surfaces.

With [SHERAFINA® 2000](#), you can achieve perfectly fitting results - for large bridge constructions just as naturally as with demanding crown work.



SHERACAST

Chrome casting investment, duplicated in silicone or gel

- robust quality
- for silicone and gel duplication
- for speed casting and traditional heating process
- for very precise castings, with smooth surfaces
- binds the oxides



SHERAVEST-RP

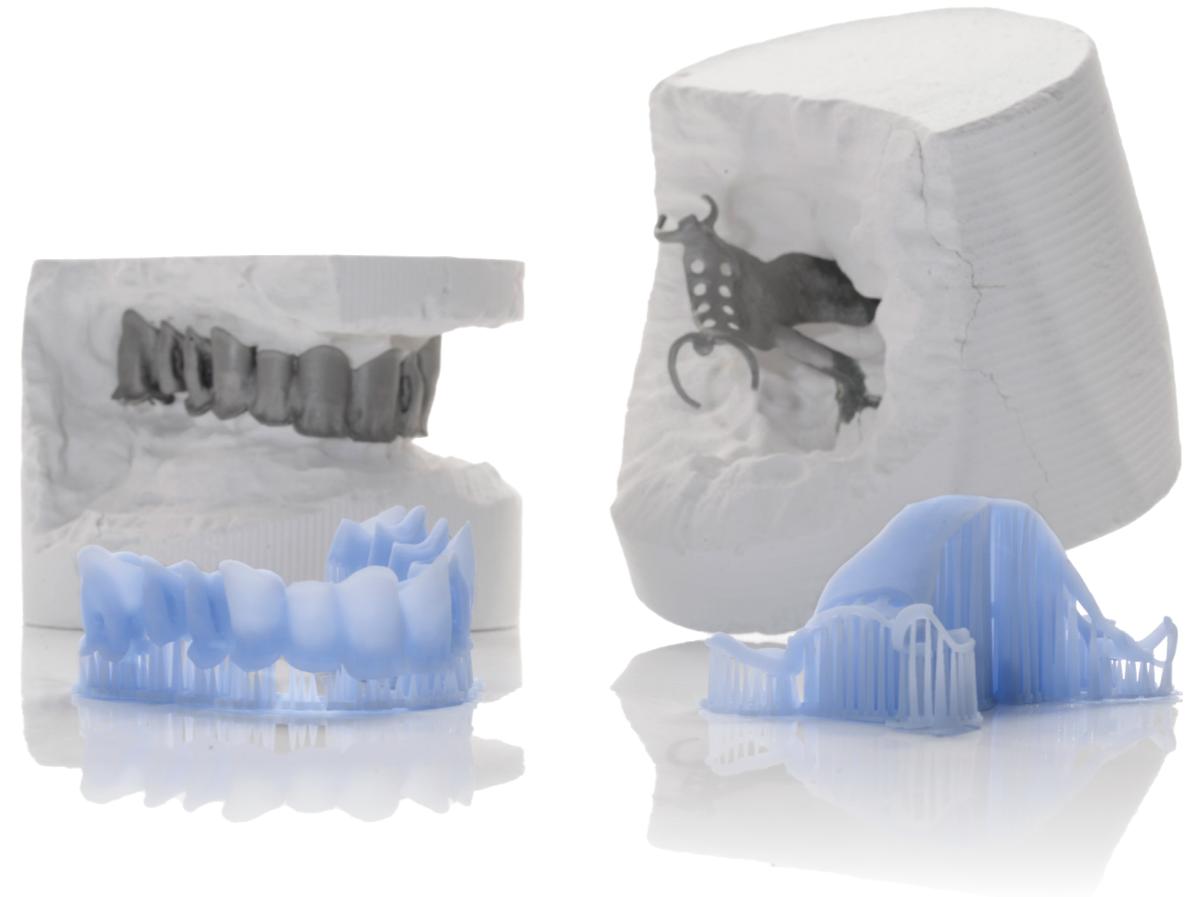
Investment material for 3D-printed resin objects

- for inlays, crowns, bridges or chrome castings (also milled in wax/resin)
- for casting almost all alloys
- very clean casting result
- binds the oxides to a maximum

SHERACAST 2000

Fine chrome casting investment material for classic model casting, duplicated in silicone

- fine-creamy quality
- for silicone duplication
- for speed casting and traditional heating process
- for very accurately fitting casts, with extremely smooth surfaces
- binds the oxides



SHERAFRIXION

Investment material for the double crown technique

- for the double crown and implant technique, crowns and bridges
- precisely controllable expansion
- for non-precious metal alloys
- for speed casting and traditional heating process
- for modelling made of wax, autopolymerising or light-curing modelling resin (e.g. SHERAPLAST) or 3D printing resin

SHERAFRIXION has been specially adapted to the requirements of the telescopic and conical crown technique. Its significantly higher, precisely controllable expansion enables targeted adjustment of the friction - ideal for precious metal-free alloys. Whether for single crowns or multi-span bridges: SHERAFRIXION allows you to achieve an optimum fit between primary and secondary components.



SHERAUNDER PRESSURE

Special investment material for pressed ceramics

- very flowable
- reliably controllable expansion
- withstands extreme pressure
- can be easily sandblasted
- for smooth surfaces of the pressed objects
- very low reaction layer



SHERAREFRACT

Refractory die material

- perfect basis for precise layering of the ceramic
- very well controllable expansion
- extended working time
- long-lasting stable moisture level
- offers more time for aesthetics when designing veneers and inlays
- can be easily sandblasted



WOULD YOU LIKE TO TRY SHERAREFRACT?

The "Perfect Start Set" contains everything you need for a successful start:

- 8 x 33 g SHERAREFRACT
- 100 ml SHERALIQUID
- 1 x measuring cylinder 10 ml
- 2 x 250 g DUOSIL H
- 1 x printed model
- 1 x SHERADUBLIER-SET
(with two removable dies for veneers)



OUR HELPERS FOR OPTIMUM RESULTS:

SHERADUBLIER-SET

System for duplicating refractory dies

- offers space for up to 6 dies
- easy demoulding of the silicone from the investment ring
- with flat surfaces for easy, vertical fixation of the plaster or printed dies with wax
- light-coloured base, printed in SHERAprint-model desert, facilitates visual control of the die position
- reusable



FOAM RUBBER SHERAMUFFELFORMER

Use moulds made of sponge rubber - the thermally elastic, thick-walled material provides space for controlled expansion and has an insulating effect, so that the investment can set evenly. The open-pored surface on the mould wall allows gases and moisture to escape, preventing the mould from bursting or cracking.

- the right mould former made of sponge rubber for every casting
- free expansion of the investment due to the high elasticity of the mould former
 - easy degassing of the mould due to open-pored surface
 - maximum precision thanks to "optimum climate" in the mould
 - prevention of mould bursts and cracks



ONE EXPANSION LIQUID FOR EVERYTHING.

Whatever technique you are currently using, SHERALIQUID is the perfect control element for all SHERA investment materials.

SHERALIQUID

Mixing liquid

- universal expansion liquid for all SHERA investments
- can be mixed with distilled water or SHERALIQUID EXTRA according to the recommendations for the investment used

and if it needs to be even larger:

SHERALIQUID EXTRA

Mixing liquid

- special expansion liquid
- for all work that requires a higher expansion
- to be used only as an additive to SHERALIQUID



MUFFELVLIES

Place a light-coloured muffle fleece in the muffle former.
This ensures a better appearance. The modelling can be seen more clearly against the light background of the fleece.
- for more control when investing. The investment ring fleece has.
No influence on the proven properties of the investment ring former.



RELAXING AGENT

Materials such as modelling wax or resin, printed or milled casting frameworks can be invested more easily if they are wetted with a surface release agent beforehand. This improves wetting of the modelling with the investment material and ensures a perfect, bubble-free coating of the cast object.

We recommend: **SHERARELAXA**



DUPLICATING SILICONE SHORE HARDNESS 17

When duplicating plaster dies (and models) use a relatively soft silicone with a Shore hardness of 17. The investment materials can expand more evenly and without interference for a better fit.
We do not recommend the use of stabilising frames. The silicone offers sufficient stability even without a stabilising frame and makes demoulding easier.



TIPS AND TRICKS



KEEP AN EYE ON THE ROOM TEMPERATURE

You will achieve perfect results if you keep an eye on the temperature of investment materials and liquids. For storage of the investment material, it is best to use a temperature-controlled cabinet that maintains a constant temperature of 21 degrees Celsius. When investing, this ensures that the desired chemical reactions take place evenly and predictably.



WEIGHING AND MEASURING

Accuracy is essential for achieving the correct and desired expansion. Please observe the mixing tables and information in the instructions for use. Clear mixing tables, current instructions for use and safety data sheets can be found online under the product-related downloads directly on the product pages of our shop.

TIPS AND TRICKS



USE A VIBRATOR

Place the muffle former on the vibrator for the minimum necessary time when filling it with the investment material. The gentle shaking helps to prevent air bubbles. Prolonged or excessive vibration causes demixing of the material components.

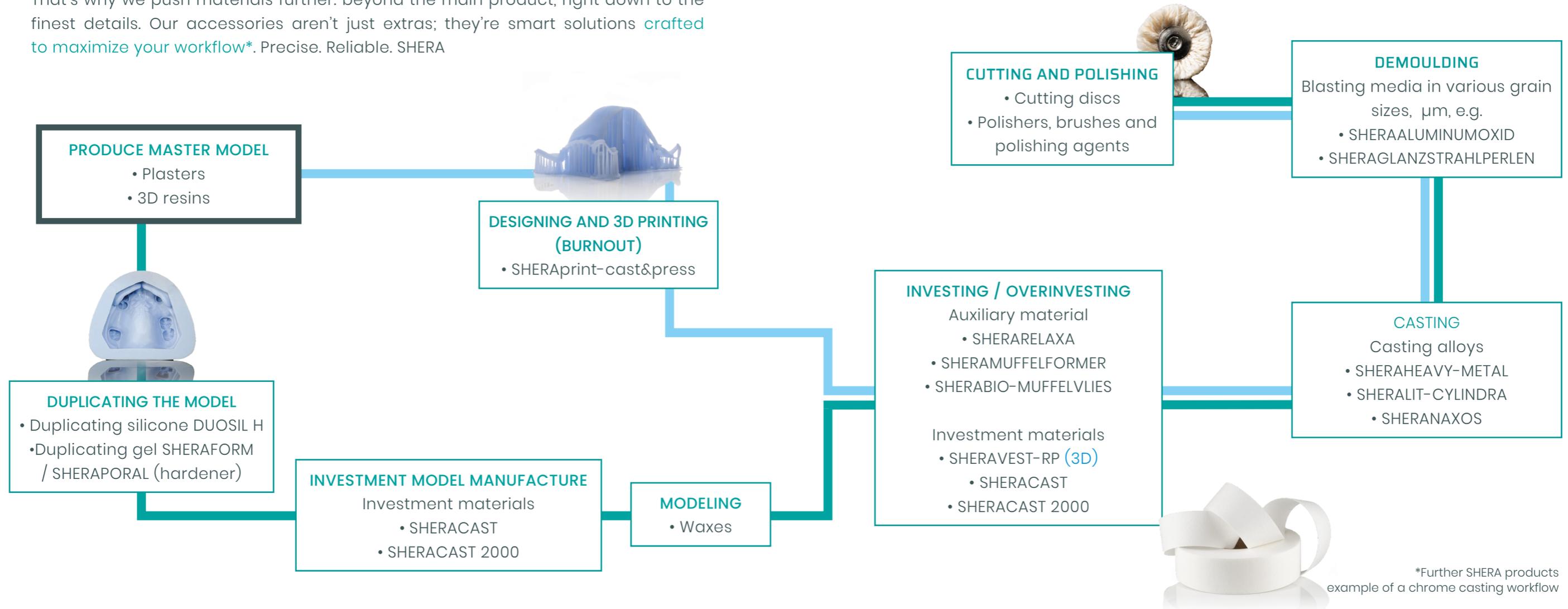


WINTER STOCK OF EXPANSION LIQUID

Expansion liquid for investment material control is temperature-sensitive and cannot be shipped under winter temperature conditions. Please remember to ensure a sufficient winter stock in autumn.

BECAUSE EVERY DETAIL COUNTS

With SHERA, quality is by design – never by chance. It's our core principle. That's why we push materials further: beyond the main product, right down to the finest details. Our accessories aren't just extras; they're smart solutions *crafted to maximize your workflow**. Precise. Reliable. SHERA



*Further SHERA products example of a chrome casting workflow



PRECISION - QUALITY MADE IN-HOUSE

WE DEVELOP OURSELVES. WE PRODUCE OURSELVES.
WE TEST OURSELVES. WE ADVISE YOU PERSONALLY.

All SHERA investment materials are produced in-house in Lemförde, Lower Saxony. From idea to end product, every step is in our hands – ensuring maximum control, consistent quality and product safety.

OUR QUALITY GUARANTEE:

- **100 % in-house production** Development, production and testing – all under one roof
- **Multi-stage quality control** Chemical analyses and dental tests of each batch
- **Reliable packaging** Approved products are hermetically sealed for optimum protection
- **Personalised service** Our team of experienced specialists provides you with expert advice – direct, committed and individual

SHERA – BECAUSE QUALITY IS BY DESIGN. NEVER BY CHANCE.

SHERA. *The model.*

SHERA Werkstoff-Technologie GmbH

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