
























Brevest investment materials for systematic working



Simple, reliable and efficient

breident

Overview of Brevest investment materials

Investment material	Mixing liquid	Duplicating	Alloy
Brevest C+B Speed  	Bresol Speed frost-resistant, controllable expansion 	Silicone 	NPM + PM Brealloy C+B 270 
Brevest Exakto Duo   	Bresol Speed frost-resistant, controllable expansion 	Gel / Silicone  	NPM Brealloy F 400 
Brevest Rapid 1    	Bresol R controllable expansion (not frost resistant)  Bresol expand 1% higher total expansion than Bresol R (e.g. for resin models)	Silicone 	NPM + PM Brealloy C+B 270 Brealloy F 400 
Brevest ceram Speed  	Bresol Speed frost-resistant, controllable expansion 	Silicone 	IPS e.max® Press IPS e.max® zirPress IPS InLine® PoM (Press-on metal-ceramic) HeraCeram Press



Crown/bridge restorations



Cast partial dentures



Attachment work



Ceramic press technique

Simple, reliable and efficient

Harmonized processing

Use the benefits of components, such as alloys, press ceramics and investment materials which are harmonized with each other so that the mechanical properties and the precision of fit of the completed restoration do not only exceed the expectations but can also be reproduced at any time.

Convenience in processing with regard to flowability, devesting or subsequent surface treatment leaves nothing to be desired.

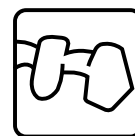
Economic efficiency

Reduction in processing time thanks to the speed characteristics of the investment materials is combined with the economic benefits of a liquid for several investment materials.

Certified biocompatibility

It goes without saying that our alloys fulfill all modern health requirements and are also certified according to DIN EN ISO 15912.





Brevest C+B Speed

Very fine-grained, phosphate-bonded investment materials for crowns and bridges made of precious and non-precious metal alloys featuring outstanding reproduction of details



Highly accurate and dimensionally precise large-span bridges are produced with Brevest M1 C+B and Brevest C+B Speed.



The use of the frost-proof mixing liquid Bresol Speed for accurate concentration control allows the fabrication of precision-fit dental restorations.



At a room temperature of 21°C a processing time span of 5 to 6 minutes is obtained for bubble-free pouring out of casting rings.



Brevest C+B Speed

50 bags, 160 g each
REF 570 CBS0 8

125 bags, 160 g each
REF 570 CBS2 0

Bresol Speed *

1000 ml
REF 520 000S 1
5000 ml
REF 520 000S 5

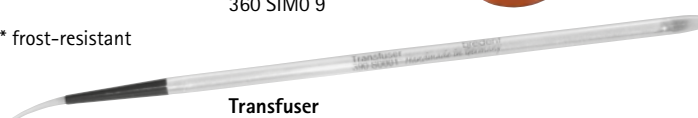
Assortment

25 bags, 160 g each
Brevest C+B Speed
1000 ml
Bresol Speed *
REF 570 CBS0 4

* frost-resistant

Silicone sleeve

SX3
360 SIM0 3
SX6
360 SIM0 6
SX9
360 SIM0 9



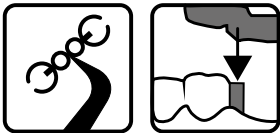
Transfuser

1 piece
REF 390 S000 1
4 pieces
REF 390 S000 4

Advantages	Benefits
Highly accurate expansion control for precious metal-free alloys and precious metal	Targeted precision of fit also for large-span restorations
Can be used with or without metal rings	Free choice of investment systems
Suitable for speed use	Short fabrication process
Frost-proof	Reduced stock-keeping Reliability

Use with Brevest C+B Speed in combination with Brealloy C+B 270 (page 8)

Brevest exakta Duo



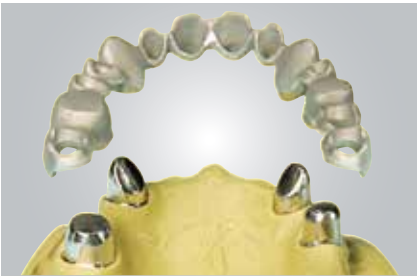
Phosphate-bonded investment materials for gel and silicone duplicating. The expansion for attachment work and CoCr clasps can be precisely controlled with the frost-resistant special mixing liquids.



Whether duplicating silicone or duplicating gel is used, CoCrMo frameworks fit perfectly with Brevest Exakta Duo.



Silicone duplicating



Gel duplicating
(Page 10).



Brevest exakta Duo
20 bags, 400 g each
REF 570 0ED0 8

50 bags, 400 g each
REF 570 0ED2 0

Bresol Speed*
1000 ml
REF 520 000S 1

Assortment
10 bags, 400 g each
Brevest exakta Duo
1000 ml
Bresol Speed *
REF 570 0ED0 4



Duplicating system
for duplicating
silicone
REF 520 DBST K

* frost-resistant

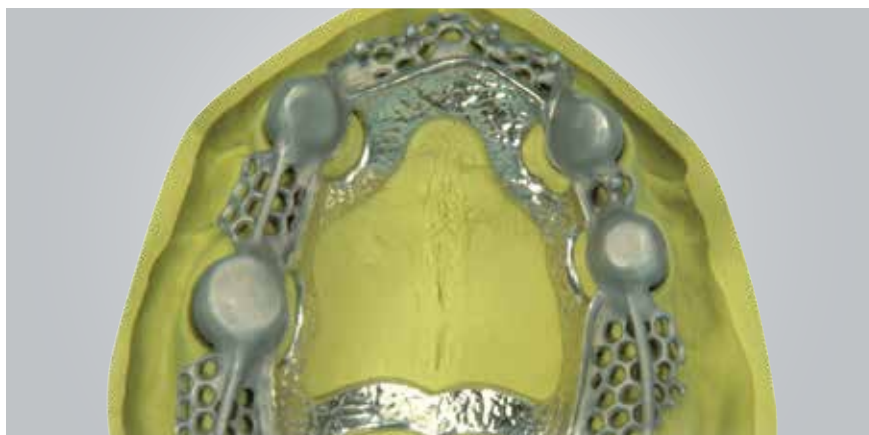
Advantages	Benefits
Suitable for gel and silicone duplication	Flexible choices of duplication types. More profitable fabrication processes thanks to the reusability with the gel duplicating material (Bre-Gel BG 1)
Expansion matched to the contraction of the Brealloy F 400 alloy	Precision-fit casting results, accurate reproduction of details, all types of cast partial dentures can be fabricated
Suitable for speed use	Short fabrication process
Frost-proof	Reduced stock-keeping Reliability

Use with Brevest Exakta Duo in combination with Bre-Gel (page 10)

Brevest Rapid 1



Rapid-heating, universal precision investment material for crowns and bridges as well as the entire field of CoCr work.



Perfectly suitable for one piece casting. Precise expansion control with Bresol R. When using the Bresol expand expansion liquid, large-span resin models can be quickly completed in a way to avoid any tension. Perfectly suited for telescopic restorations as well.



Fine grained, rapid-heating precision investment material for all largespan bridges, can also be used without casting rings.



Brevest Rapid 1 can be placed into the furnace at a temperature of 900°C already 15 minutes after mixing.



NEW

Brevest Rapid 1

40 bags, 200 g each

REF 570 000R 8

100 bags, 200 g each

REF 570 00R2 0

Brevest Rapid 1

50 bags, 160 g each

REF 570 160R 8

125 bags, 160 g each

REF 570 16R2 0

Bresol R

1000 ml

REF 520 000R 1

5000 ml

REF 520 000R 5

Assortment

20 bags, 200 g each

Brevest Rapid 1

1000 ml Bresol R

REF 570 0002 5

Bresol expand

1000 ml bottle

for increased total

expansion

REF 520 00EX 1

Transfuser

1 piece

REF 390 S000 1

4 pieces

REF 390 S000 4



Advantages	Benefit
Can be used for crowns and bridges and for cast partial dentures	One for all. Wide indication range
Suitable for speed use	Short fabrication process
Reduced amount of work during adjusting and finishing of the frameworks	Accurate castings thanks to high precision
Higher total expansion with Bresol expand	Faster fitting when using modelling resins

Recommended for 3D- und resin modelling materials (e.g. Pi-Ku-Plast).



Use with Brevest Rapid 1 in combination with Brealloy F 400 (page 9)

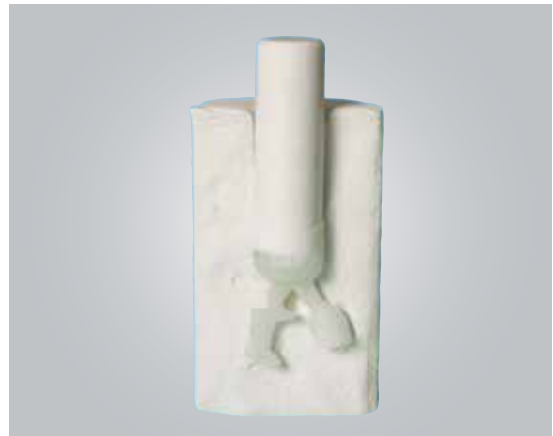


Brevest ceram Speed

Brevest ceram Speed is fine-grained, phosphate-bonded investment material (type 1, class 2).



Brevest ceram Speed is suitable for processing all standard dental press ceramics (such as IPS e.max® Press / HeraCeram Press) in conventional press ceramic furnaces.



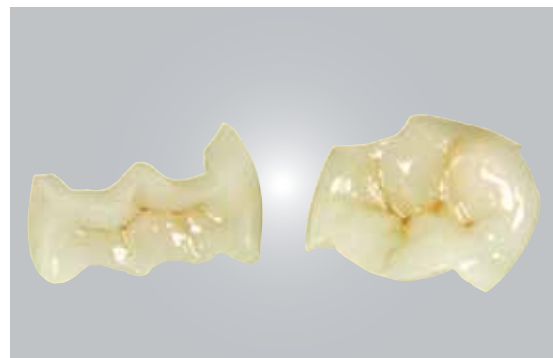
Precision-fit objects are ensured by careful devesting with a blasting pressure of 2 to 4 bar.



Brevest ceram Speed
50 bags, 100 g each
REF 570 00PS 5

Bresol Speed *
1000 ml
REF 520 00OS 1

* frost-resistant



Aesthetic pressed inlays and all-ceramic crowns are obtained.

Advantages	Benefits
Enables easier devesting	Reduces working time
Reproduces very fine details	Ensure highly accurate reproduction
Offers the same quality as IPS	Offers favorable price for high quality
Homogeneous surface	Guarantees unsurpassed esthetics - produces top results
Allows year-round ordering	Reduces stock-keeping
No seasonal bottlenecks	Provides reliability

Use with Brevest ceram Speed in combination with lithium disilicate IPS e.max® Press, IPS e.max® zirPress, IPS InLine® PoM, (Press-on metal-ceramic), HeraCeram Press

Brealloy C+B 270

Ceramic bonding alloy with a hardness of 270 HV 10 which can be milled easily. Brealloy C + B 270 is free from nickel, beryllium and gallium. The alloy corresponds to the standard DIN 13912: 1996 for non-precious metals and DIN EN ISO 9693: 1995 for metal-ceramic systems.



Attachment technique with Brealloy C + B 270: precision in the onepiece casting method.



Partial crowns made of Brealloy C + B 270: slender and precise.



Milling technique: Brealloy C + B 270 can be milled perfectly.

Thanks to a new cylindrical shape with a smaller diameter and a larger dimension, the cylinders will melt down more quickly in the crucible and the molten material will not be overheated.



Brealloy C+B 270
Cylinder, each 6,3 g
200 g
REF 500 CB20 0
500 g
REF 500 CB50 0
1000 g
REF 500 CB00 0



Physical values (reference values)

Density (g/cm ³)	8,4
Vickers hardness (HV 10)	270
Weight Cylinder	approx. 6,4 g
Solidus point (°C)	1280
Liquidus point (°C)	1350
Casting temperature (°C)	1450
0,2 % proof stress (MPa)	450
Mod. of elasticity (MPa)	approx. 230.000
Tensile strength MPa	650
Strain at break (%)	13
Expansion coefficient	14,5 µm/mk
suitable for laser welding	Yes

Composition (in mass %)

Cobalt	66
Chromium	20
Colybdenum	6
Wolfram	6
Silicone	<1.0
Carbon	<1.0
Manganese	<1.0

Thanks to the modified cylindrical shape, the alloy offers improved melting characteristics and hence reduces casting problems. Unnecessary, complex remakes are avoided and material consumption is reduced.

C+B investment material has been precisely matched to the expansion of this alloy.

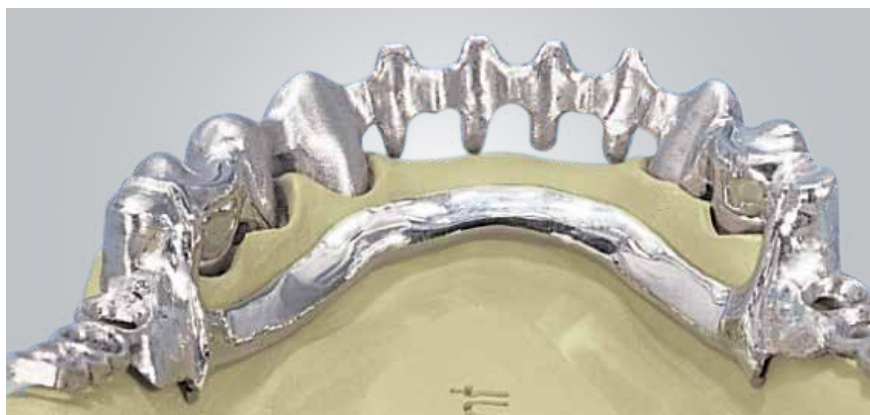


Use with Brealloy C+B 270 in combination with Brevest C+B Speed (page 4)

Brealloy F 400

CoCrMo alloy for clasps and attachments in chrome cobalt restorations.

Brealloy F 400 is nickel-free and complies with the standard DIN EN ISO 6871 – part 1: 1996.



The outstanding material properties of Brealloy F 400 allow rapid finishing and polishing.



Brealloy F 400 features a hardness of 400 HV 10.

The alloy has been especially developed for non-precious attachment dentures.

The chrome cobalt system of bredent offers additional innovative techniques allowing the production of locks and individual screw connections using Brealloy F 400.

The combination of the physical values of Brealloy F 400 allows to obtain extremely slender chrome cobalt clasp dentures. Your patients will be enthusiastic about the high comfort of wear of these dentures.



Brealloy F 400

Cylinder, each 7,5 g

100 g

REF 500 ML10 0

500 g

REF 500 ML50 0

1000 g

REF 500 ML00 0

Accessories:

Brealloy Lot

7 g

REF 500 0001 0

Brealloy Lot

8 g

REF 500 0001 1

Physical values (reference values)

Density (g/cm ³)	8,4
Vickers hardness (HV 10)	350 bis 400
Gewicht Zylinder	5,5 bis 6,0 g
Solidus point (°C)	1200 bis 1240
Liquidus point (°C)	1350 bis 1385
Casting temperature (°C)	1485 bis 1540
0,2% proof stress (MPa)	500 bis 650
Mod. of elasticity (MPa)	approx. 220 bis 230.000
Tensile strength (MPa)	800 bis 850
Strain at break (%)	4
Expansion coefficient	14 µm/mK
Laserschweißbar	Ja

Composition (in mass %)

Cobalt	62,0
Chromium	30
Columbium	5,5
Silicone	1,0
Manganese	<1,0
Carbon	<1,0
Iron	<1,0

The higher content of Mo and Cr in the composition improves the compatibility of the alloy thanks to higher chemical stability.



Use with Brealloy F 400 in combination with Brevest Rapid 1 (page 6)

Bre-Gel 1

Low-viscous agar duplicating gel for precise investment material models, suitable for microwave units.



Low-viscous consistency
Bubble-free casting thanks to excellent flow characteristics.

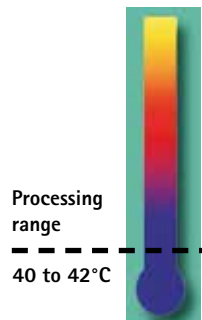
Can be remelted in the duplicating unit or the microwave at least 20 times due to the reversibility.



Remeltable
Low viscosity to ensure bubble-free casting.



Bre-Gel BG 1
6000 ml
REF 540 0103 6



Processing range
40 to 42°C



Transparent color
Perfect control during exposure of the model due to transparent color and low viscosity.



A low pouring temperature with minimum difference between the gel and model guarantees tension-free, detailed duplicates.



High edge stability
Stable edges ensure precise reproduction of details of the duplicate models.



Use with Bre-Gel in combination with Brevest Exakta Duo (page 5)

Bre-Gel 2 opaque, Bre-Gel 3 opaque-liquid

Opaque duplicating gel for the entire duplicating technique, suitable for microwaves.



Opaque Color.
The bright, opaque color simplifies the valuation of filling duplicating areas.



Low-viscous consistency.
Slow pouring in of the low-viscous duplicating gel avoids the formation of bubbles.



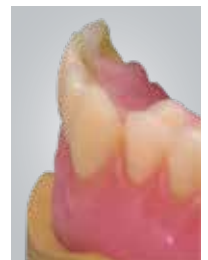
Bre-Gel BG 2
opaque
6000 ml
REF 540 0105 3



Bre-Gel BG 3
opaque-liquid
4 x 400 ml
REF 540 0105 4



The outstanding elasticity ensures recovery of deformed duplicating areas when removing the duplicate model.



High tensile strength
The high elasticity and tensile strength allow easy removal from the cast even in undercut areas. Thus precise working is also possible in the resin casting technique

Accessories

Duro-Top

Immersion hardener for precise and clean modelling on duplicate model surfaces.



Duro-Top
1000 ml
REF 570 0005 4



For the agar duplicating technique

Immersion hardening liquid especially for agar duplicating - for sealing model surfaces.



Excellent diffusion

Due to the low-viscous consistency the hardener easily penetrates into the surface.



Stabilization of edges

Thin edges and filigree areas withstand increased stress due to the immersion process.



Surface smoothing

Prefabricated wax elements adhere to the smooth model surface without using any adhesive.



High yield

Excellent hardening effect and robust models are obtained even after numerous immersion processes.

Investment hardener

Improves the hardness and surface texture of all models duplicated in silicone.



Investment hardener
500 ml
REF 550 0000 4



The improved strength toughens the edges and prevents damage to the fine wax-coated margins.



The greater scratch resistance allows waxing up without damaging the model surface.

Microkeramik



Microkeramik
125 g
REF 550 0001 2

Accessories:



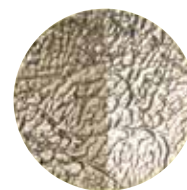
3 Brushes size A
+ 1 brush holder REF 330 0114 6



3 Brushes size B
+ 1 brush holder REF 330 0114 7



3 Brushes size C
+ 1 brush holder REF 330 0114 8



Microkeramik avoids extreme formation of oxide on NPM alloys. Cast objects are only sandblasted with 50 µ glass beads to obtain almost perfect high luster. Consequently, time for further processing is saved.

Accessories

Crepe sleeve



For individual overbedding of CoCr work.

- Surface enlargement
- Uniform absorption and release of heat
- Investment material is saved



Crepe sleeve
25 m, REF 570 0002 1

Dosing bottle



Dosing bottle
REF 520 0101 1

Dosing syringe



Dosing syringe
6 pieces
REF 520 0101 2

Mould release agent



Mould release agent
125 ml
REF 520 TM12 5

Brealloy Lot



Solder especially matched with CoCr alloys for chrome cobalt and ceramic bonding techniques to avoid the formation of galvanic elements and undesired reciprocal action with the ceramic material.

Brealloy Lot
7 g, REF 500 0001 0

Brealloy flux



Suitable for all CoCr alloys, supports the flow characteristics of the solder.

Brealloy flux
8 g
REF 500 0001 1

Technosil duplicating silicone



Addition-cured, shrinkage- and filler-free duplicating material for dimensionally accurate duplicates. Technosil NT is mixed in the ratio of 1:1 for simple processing. The shore hardness of 25 makes the material suitable for „ringless“ model fabrication with the bredent duplicating system.

Technosil NT duplicating silicone

1000 g of
Component A REF 540 TS01 A
Component B REF 540 TS01 B

Assortment

je 1000 g
Component A + B REF 540 TS01 0

Technosil NT duplicating silicone

5000 g of
Component A REF 540 TS05 A
Component B REF 540 TS05 B

Assortment

5000 g of
Component A + B REF 540 TS05 0

Technolit



Surface tension reducing agent avoids the formation of bubbles and improves the flow characteristics of investment material and plaster.

Technolit
125 ml, REF 520 ET12 5

Nachfüllpackung
750 ml
REF 520 ET75 0



After a reaction time of 2 minutes the duplicating mould is blown dry using compressed air. Technolit avoids surface segregation for investment materials and plasters. Consequently, a more homogeneous surface is achieved.

The short setting time allows to continue working quickly. Reduced shrinkage for accurate models.

