

SPEED UP PRODUCTION

metacon

the light cured WAX

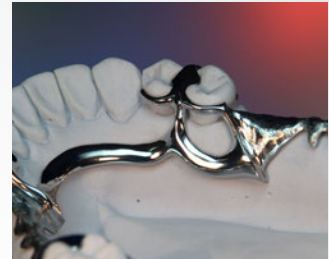
the very unique chemical formula of the Metacon wax ideally combines waxes, acrylics and photo-polymerising elements. Thus the material handles like wax before - and like acrylic after light curing



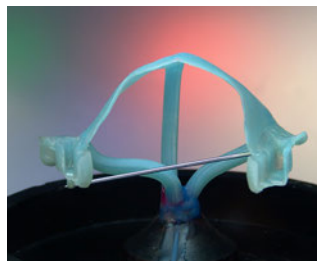
metaconSystem



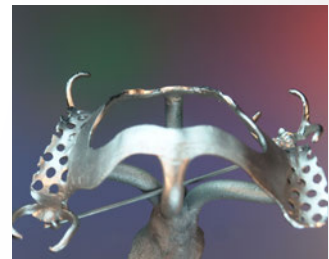
lower partial with clasps



upper combined case



upper partial with clasps



crown and bridgework



pressable ceramics



repairs, i.e. broken clasp



uses

the full range of dental applications, such as:

- combination cases with attachments
- partial dentures with clasps
- full upper palate plates
- crown and bridge restorations
- implant bars and implant bridges
- modellations for pressable ceramics

without duplicating material and refractory model

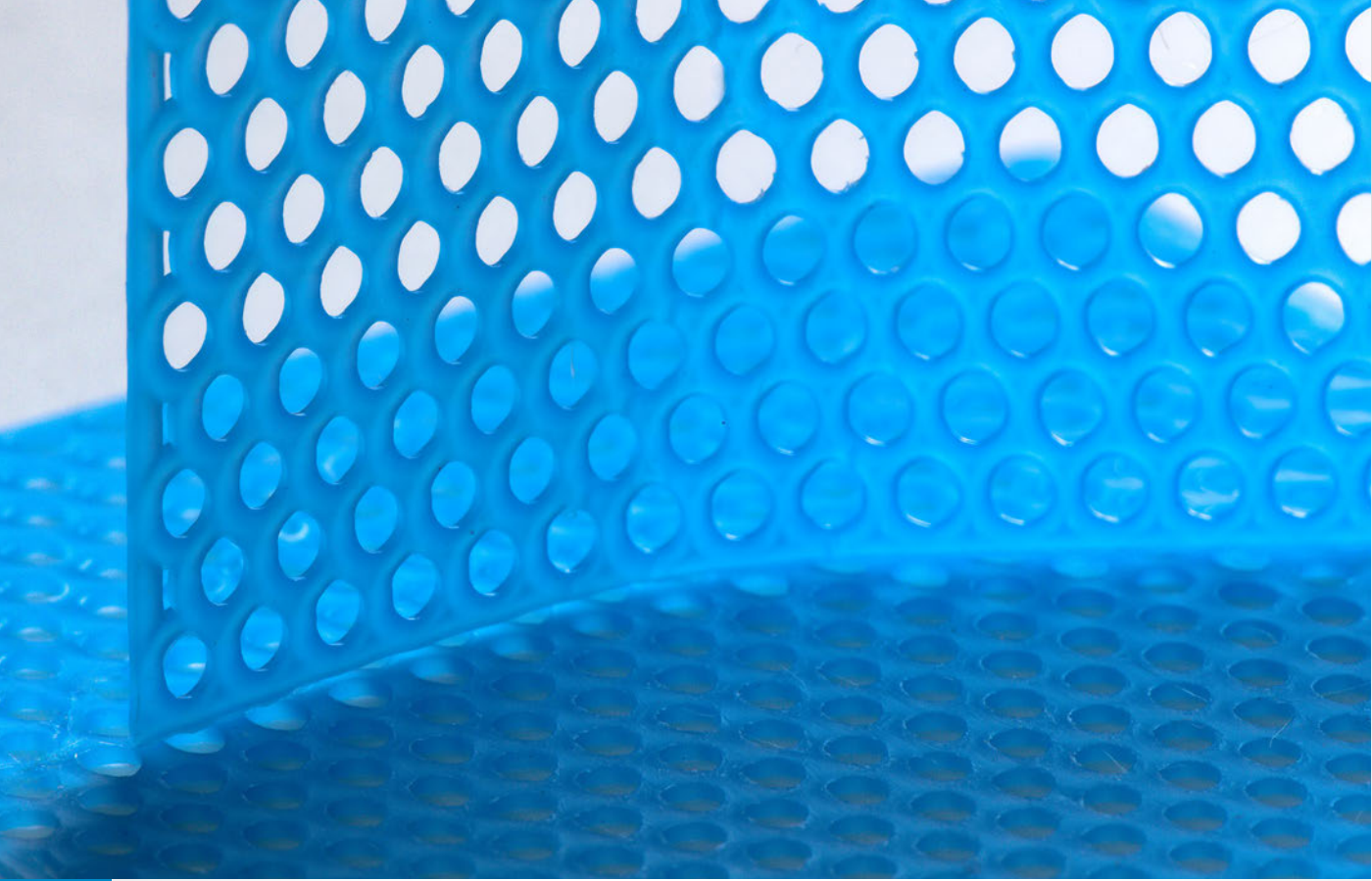


advantages

- eliminates refractory models
- no need for duplicating materials
- more precise than conventional waxing methods
- substantial time and cost saving
- handles like wax before it is cured
- after it is cured, it handles like acrylic
- does not show any shrinkage or distortion after curing
- the material is strong yet flexible
- polymerized Metacon wax has a physical memory
- can be trimmed before investing
- burns out cleanly and completely
- does not expand in the ring
- available as modelling wax and as preformed patterns

• metalight

light curing units
mini and trend (from left to right)
more information on page 11



technical tips

For best temperature control rather wax up with an electric wax spatula than with an instrument and Bunsen burner. Alternatively Metacon can be kneaded “cold” as it offers perfect modelling consistency just slightly above room temperature. This method is even more productive.

To easily lift partials off the model after light curing always use the Metacon system separators and follow the instructions.

Do not try to wax up all details. It is much more productive to light cure the material first, then create the final shape details in the acrylic stage with grinding tools.

For best results always light cure the material in primotec’s metalight curing units. Do not use any light curing units that generate heat inside the curing chamber and/or any strobe lights.

science

The Metacon light cured wax is a unique chemical composition of cracked carbon chains (acrylic) with photo initiators attached to both ends of the carbon chain pieces. These conditioned acrylic parts

are then mixed with specially formulated waxes. Metawax modelling wax and Metaform preformed wax patterns are chemically equal but have a different density.



SPEED UP PRODUCTION

working procedure



1
after survey, design and block out apply the Metaseal separator



2
Metaform preformed patterns are available as clasps, stipple sheets, retentions, bars, etc.



3
for perfect adaptation the Metavac device is used



4
after light curing to acrylic the Metacon material can be trimmed



5
wax up completed, ready for sprueing and investing



6
when using the Metaring investing system three partials can easily be cast in one ring



7
for best fitting the investment material expansion needs to be adjusted 10 % up



8
three partials, one button and minimum investment material used

ORDERING INFO

metaconSystem – Starter Set

Item #	Item
MC Starter Set Basic	metaconSystem Starter Set Basic BP 300 Metaform lingual bar straight drop shape (8 g) GK 300 Metaform sprues - 3,5 mm (10 g) KP 100 Metaform premolar clasp (1 sheet) PP 301 Metaform stipple sheet – 0,55 x 67 x 130 mm (1 sheet) RP 200 Metaform mesh retentions (1 piece) RP 400 Metaform retention hole shape (1 piece) IM 200 Metatouch - finger and instrument separator (43 g) IM 300 Metaseal - stone model and die separator (43 g)

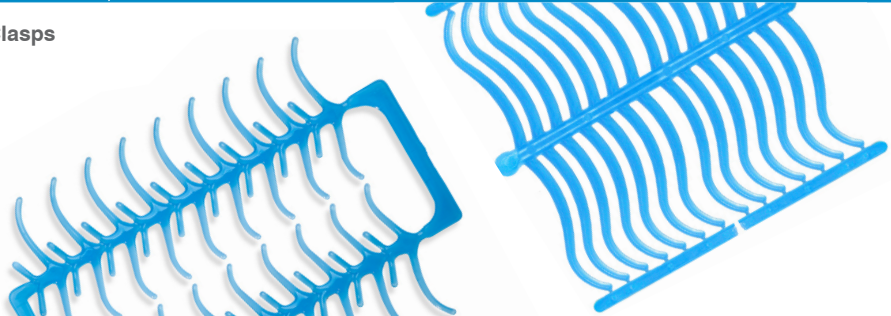
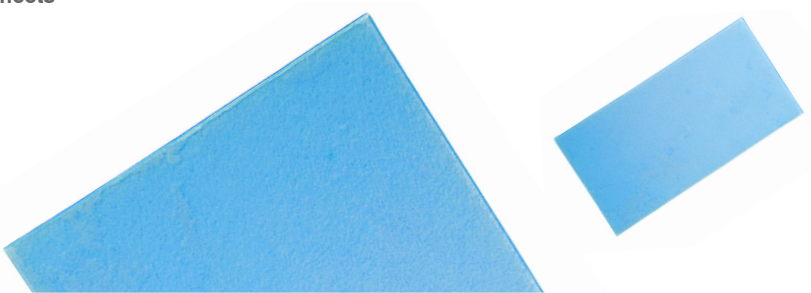


metaconSystem preformed patterns

Item #	Item
RP200	Metaform mesh retention for toothless jaws (5 sheets)
RP350	Metaform double comb shape retention (5 sheets, 40 pieces)
RP400	Metaform retention hole shape (3 sheets)
Sprues	
GK100	Metaform sprue sticks round – 1,5 mm (12 g)
GK200	Metaform sprue sticks round – 2,5 mm (30 g)
GK300	Metaform sprue sticks round – 3,5 mm (53 g)
Rods and half round sticks	
GK400	Metaform rods – 6 mm (60 g)
GK500	Metaform half round sticks – 1,6 mm (9 g)
GK600	Metaform half round sticks – 2,2 mm (14 g)

ORDERING INFO

metaconSystem preformed patterns

Item #	Item
Clasps 	
KP100	Metaform premolar clasp (5 sheets, 90 pieces)
KP200	Metaform molar clasp (5 sheets, 70 pieces)
Sheets 	
PP301	Metaform stipple sheet – 0,50 x 75 x 150 mm (5 sheets)
PP305	Metaform rougher stipple sheet – 0,55 x 67 x 130 mm (5 sheets)
PP151	Metaform smooth sheet – 0,55 x 67 x 130 mm (5 sheets)
PP251	Metaform smooth sheet – 0,80 x 67 x 130 mm (5 sheets)
Lingual bars 	
BP100	Metaform lingual bar swung (5 sheets, 40 pieces)
BP300	Metaform lingual bar straight drop shape (34 g)
BP400	Metaform lingual bar straight trapezium shape (40 g)

BESTELLINFORMATION

metaconSystem – Peripherieprodukte

Item #	Item
MW100 	Metawax modelling wax (20 g)
IM200 	Metatouch finger and instrument separator (40 g)
IM300 	Metaseal stone model and die separator (40 g)
ES100 	Metacool ice spray (two cans at 150 ml each)
MV100 	Metavac vacuum-suction device
MP100 	Metapump hand vacuum pump
MG100 	Metagran clear acrylic grains (120 g)
KD100 	Metatex latex covers latex covers (36 pieces)
TZ-KIT 	Vacuum-Suction kit KD 100 Metatex - latex covers (1 pack, 36 pieces) MG 100 Metagran - clear acrylic grains (120 g) MP 100 Metapump - hand vacuum pump MV 100 Metavac - vacuum-suction device not suitable for metalight mini

publications

- **There are simpler ways ...**
by Joachim Mosch CDT
and Andreas Hoffmann MDT
published in Spectrum Dialogue
Vol.8 No.9
- **The Metacon System – Part 1/2**
by Bettina Cortés CDT
published in Spectrum Dialogue
Vol.6 No.8 & Vol.6 No.9
- **Distortion Free Modeling Using the “cold” Technique – Heat-free-modeling**
by Joachim Mosch, CDT and
Andreas Hoffmann, MDT
Published in Spectrum Dialogue
Vol. 9 No. 2

Find these and more publications as well as the Material Safety Data Sheets (MSDS) under www.primogroup.de or call primotec Germany at +49(0) 61 72 - 99 770 - 0 for your free printed copy.

training courses

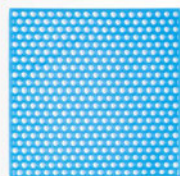
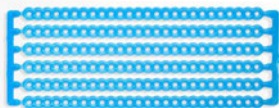
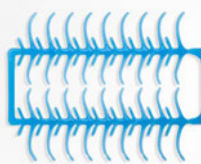
- **MetaconSystem – Partial dentures made easy**
In this course learn how to fabricate partial dentures on the master model without needing to make a refractory model or use duplicating materials.
- **MetaconSystem – Implants made easy**
In this course learn how to fabricate single unit to full arch implant cases easily, precisely and quickly using Metacon light cured wax.

On a regular basis, various metaconSystem training courses are organized in primotec's teaching facilities in Germany and in the USA. In addition, many primotec distribution partners worldwide offer different courses with their domestic specialists. For more information, please contact primotec Germany or call your local primotec partner.



speed up production

the Metacon light cured wax system offers substantial quality and time saving benefits for the full range of dental applications



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