



Pressure Moulding Technique



# Pressure Moulding Technique

More than 50 years of competence and experience.

**Tried and tested.** Our thermoforming materials for medical applications are made of biocompatible and well-tolerated materials. The wide

range of material offers you the right product for any application. A bar code is applied to each blank, making processing quick, easy and safe.

# Pressure moulding technique



## BIOSTAR®

Versatile pressure moulding machine for all applications in dental pressure moulding and orthodontics, equipped with scan technology and 6.0 bar working pressure, adjustable by pressure reducing valve on the unit. The unique thermally controlled infrared heater reaches working temperature in one second. All parameters such as temperature, heating and cooling times are programmed by reading the scanner or entering the corresponding code. The coloured 3.2" LCD display with a resolution of 320 x 240 pixel leads you through the single working steps of the pressure moulding process, providing further information on scanned material, its indication as well as a library with illustrated application hints and videos for fabrication. The BIOSTAR® ensures accurate thermoforming results using material thicknesses up to 5 mm. Thanks to the high pressure chamber, bimaxillary appliances can also be fabricated. The large model pot facilitates embedding of mounted models and the generously dimensioned drawer guarantees optimal dosing and storage of the granulate. With interface for easy updates.

### Technical data

Voltage / power: 230/115/100 V, 750 W  
 Working pressure: 0.5 - 6.0 bar  
 Dimensions: (W x H x D): 520 x 240 x 440 mm  
 Weight: 14 kgs  
 3 years warranty, 10 years warranty on availability of spare parts

230 V	3001.1 1 piece
115 V	3011.1 1 piece
100 V	3021.1 1 piece

## BIOSTAR® Protection cover

Made of transparent plastic, avoids soiling.

BIOSTAR® Protection cover	3449.1 1 piece
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## MINISTAR S®

The compact pressure moulding unit MINISTAR S® equipped with scanning technology: scanner reads the coded material, allowing programming of all important parameters such as heating time, temperature and cooling time. Precise pressure moulding results are reached in record time thanks to the extremely fast, patented heater and working pressure of 4.0 bar, adjustable via pressure regulator. Equipped with user-friendly membrane keypad and large display which indicates and monitors all operating parameters.

### Technical data

Voltage / power: 230/115/100 V, 750 W

Working pressure: 0.5 - 4.0 bar

Dimensions (W x H x D): 500 x 210 x 400 mm

Weight: 9 kgs

3 years warranty, 10 years availability of spare parts

// 230 V	<b>3501.1</b> 1 piece
// 115 V	<b>3511.1</b> 1 piece
// 100 V	<b>3521.1</b> 1 piece

## MINISTAR S® Protection cover

Made of transparent plastic, avoids soiling.

// MINISTAR S® Protection cover

**3447.1**  
1 piece



# Pressure moulding material

## BIOCRYL® C

Break-resistant acrylic material of pure PMMA, monomer-free, without allergenic irritants, bonds to acrylic.

### Application

Immediate dentures, orthodontic plates, retention plates and denture bases.

// 2.0 x 125 mm, clear	3147.1 10 pieces	3147.2 100 pieces
// 2.0 x 125 mm, red-transparent	3149.1 10 pieces	
// 2.0 x 125 mm, blue-transparent	3150.1 10 pieces	
// 2.0 x 125 mm, yellow-transparent	3151.1 10 pieces	
// 2.0 x 125 mm, rose-transparent	3152.1 10 pieces	3152.2 100 pieces
// 3.0 x 125 mm, clear	3153.1 10 pieces	3153.2 100 pieces

CE



## BIOCRYL® Form X

Tough-elastic material, does not bond to acrylic, blue.

### Application

Radiopaque material for the exact visualisation of the clinical situation in computer tomography. The material closely adapts to the tooth surface and its outline is sharply imaged.

// 1.5 x 125 mm, blue

3148.1  
10 pieces

CE



## DURAN®

Hard-elastic transparent material, bonds to cold-curing resins such as DURASPLINT® and DURASPLINT® LC. Apply LC primer prior to using DURASPLINT® LC. Does not require pre-drying.

### Application

Miniplast splints, occlusal splints, interim and fluorisation splints, X-ray templates, ant-snoring appliances, reinforced anterior section of sports mouthguard.

// 0.4 x 125 mm	<b>3470.1</b> 10 pieces	
// 0.5 x 125 mm	<b>3411.1</b> 10 pieces	<b>3411.2</b> 100 pieces
// 0.625 x 125 mm	<b>3409.1</b> 10 pieces	<b>3409.2</b> 100 pieces
// 0.75 x 125 mm	<b>3413.1</b> 10 pieces	<b>3413.2</b> 100 pieces
// 1.0 x 125 mm	<b>3415.1</b> 10 pieces	<b>3415.2</b> 100 pieces
// 1.5 x 125 mm	<b>3417.1</b> 10 pieces	<b>3417.2</b> 100 pieces
// 2.0 x 125 mm	<b>3419.1</b> 10 pieces	<b>3419.2</b> 100 pieces
// 3.0 x 125 mm	<b>3421.1</b> 10 pieces	<b>3421.2</b> 100 pieces

CE 0044



## DURAN®+

Hard-elastic transparent material, bonds to cold-curing resins such as DURASPLINT® and DURASPLINT® LC. Apply LC primer prior to using DURASPLINT® LC. With integrated insulation foil. Does not require pre-drying.

### Application

Miniplast splints, occlusal splints, fluorisation splints, X-ray templates, anti-snoring devices.

// 0.4 x 125 mm	<b>3472.1</b> 10 pieces	
// 0.5 x 125 mm	<b>3426.1</b> 10 pieces	<b>3426.2</b> 100 pieces
// 0.625 x 125 mm	<b>3428.1</b> 10 pieces	<b>3428.2</b> 100 pieces
// 0.75 x 125 mm	<b>3430.1</b> 10 pieces	<b>3430.2</b> 100 pieces
// 1.0 x 125 mm	<b>3432.1</b> 10 pieces	<b>3432.2</b> 100 pieces
// 1.5 x 125 mm	<b>3434.1</b> 10 pieces	<b>3434.2</b> 100 pieces
// 2.0 x 125 mm	<b>3436.1</b> 10 pieces	<b>3436.2</b> 100 pieces

CE 0044

## DURAN®+ A2 pd

Proven DURAN® quality in aesthetic colour (VITA A2), with integrated insulation foil. Already pre-dried and vacuum sealed for instant use.

### Application

Tooth coloured temporaries, splints for planning and demonstration for aligner treatments

// 0.5 x 125 mm	3422.1 10 pieces
// 0.625 x 125 mm	3424.1 10 pieces
// 0.75 x 125 mm	3423.1 10 pieces

CE 0044



## DURAN®+ white pd

Proven DURAN® quality in white (VITA OM1), with integrated insulation foil. Already pre-dried and vacuum sealed for instant use.

### Application

Cosmetic splints

// 0.5 x 125 mm	3473.1 10 pieces
// 0.625 x 125 mm	3474.1 10 pieces
// 0.75 x 125 mm	3475.1 10 pieces
// 1.0 x 125 mm	3476.1 10 pieces

CE

**New**

## CA® Pro

Three-layer aligner material with flexible elastomer core in a hard-elastic double shell which is able to maintain a constant force level at a minimal loss of power. The flexible elastomer layer ensures high elasticity and break resistance, while reducing initial force and increasing patient comfort. CA® Pro can be used as single-splint aligner material and within the 3-splint-system according to the CA® protocol.

// 0.5 x 125 mm	<b>3640.1</b> 10 pieces
// 0.625 x 125 mm	<b>3641.1</b> 10 pieces
// 0.75 x 125 mm	<b>3642.1</b> 10 pieces

CE

**New**

## CA® Pro+

Three-layer aligner material with flexible elastomer core in a hard-elastic double shell which is able to maintain a constant force level at a minimal loss of power. The flexible elastomer layer ensures high elasticity and break resistance, while reducing initial force and increasing patient comfort. CA® Pro+ can be used as single-splint aligner material and within the 3-splint-system according to the CA® protocol.

Comes with integrated insulation foil.

// 0.5 x 125 mm	<b>3644.1</b> 10 pieces
// 0.625 x 125 mm	<b>3645.1</b> 10 pieces
// 0.75 x 125 mm	<b>3646.1</b> 10 pieces

CE



## CA® Foil

High-quality, transparent, hard-elastic material for gentle tooth alignment with aesthetic splints in the CA® system. Material with original CA® labelling stating the thickness: extra soft (0.4 mm), soft (0.5 mm), medium (0.625 mm) and hard (0.75 mm).

// extra soft, 0.4 x 125 mm	<b>3441.1</b> 10 pieces	
// soft, 0.5 x 125 mm	<b>3405.1</b> 10 pieces	<b>3405.2</b> 100 pieces
// medium, 0.625 x 125 mm	<b>3406.1</b> 10 pieces	<b>3406.2</b> 100 pieces
// hard, 0.75 x 125 mm	<b>3407.1</b> 10 pieces	<b>3407.2</b> 100 pieces

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## CA® Retention foil pd

CA® Retention foils for long-term use, pre-dried and individually vacuum sealed. Material with original CA® labelling stating the thickness (0.75 and 1.0 mm).

// 0.75 x 125 mm	<b>3438.1</b> 10 pieces
// 1.0 x 125 mm	<b>3440.1</b> 10 pieces

CE 0044

## DURASOFT® pd

Break- and abrasion-resistant, transparent compound material with a hard and soft side. Hard side bonds to acrylic. Already pre-dried and vacuum-sealed for instant use.

### Application

Miniplast splints, bruxism splints, occlusal splints with soft inner side, intra-oral anti-snoring devices, orthodontic splints.

// 1.2 x 125 mm hard / soft: 0.7 mm / 0.5 mm	<b>3342.1</b> 10 pieces	<b>3342.2</b> 100 pieces
// 1.8 x 125 mm hard / soft: 0.9 mm / 0.9 mm	<b>3388.1</b> 10 pieces	<b>3388.2</b> 100 pieces
// 2.5 x 125 mm hard / soft: 1.6 mm / 0.9 mm	<b>3387.1</b> 10 pieces	<b>3387.2</b> 100 pieces
// 3.0 x 125 mm hard / soft: 2.1 mm / 0.9 mm	<b>3341.1</b> 10 pieces	
// 4.0 x 125 mm hard / soft: 3.1 mm / 0.9 mm	<b>3345.1</b> 10 pieces	

CE 0044



## DURASOFT® blue pd

The proven break and abrasion-resistant material in blue-transparent colour. Already pre-dried and vacuum sealed for instant use.

### Application

Specifically designed for simple fabrication of coloured intra-oral anti-snoring devices. Blue colour increases aesthetics.

// 1.8 x 125 mm hard / soft: 0.9 mm / 0.9 mm	<b>3347.1</b> 10 pieces
// 2.5 x 125 mm hard / soft: 1.6 mm / 0.9 mm	<b>3348.1</b> 10 pieces

CE

## DURASOFT® seal

Pressure moulding material made of thermoplastic polyurethane for use with DURASOFT® pd. Forms a robust inner layer and provides high quality hard-soft splints with excellent resistance against discolouration. Available in clear, blue and magenta.

### Application

Discolouration-resistant inner layer for DURASOFT® pd splints. Specifically designed for long-term use splints such as intra-oral anti-snoring devices.

0.1 x 125 mm, magenta	3337.1 10 pieces
0.1 x 125 mm, clear	3338.1 10 pieces
0.1 x 125 mm, blue	3339.1 10 pieces

CE 0044



## BIOPLAST®

Soft-elastic rubber like material, does not bond to acrylic, clear transparent. Hardness Shore A: 85.

### Application

Duplication moulds for situation models, sports mouth guards, bruxism splints, positioners, OSAMU-Retainer®

1.0 x 125 mm, square	3270.1 10 pieces	3270.2 100 pieces
1.5 x 125 mm	3183.1 10 pieces	3183.2 100 pieces
2.0 x 125 mm	3185.1 10 pieces	3185.2 100 pieces
3.0 x 125 mm	3187.1 10 pieces	3187.2 100 pieces
4.0 x 125 mm	3188.1 10 pieces	3188.2 100 pieces
5.0 x 125 mm	3374.1 10 pieces	

CE 0044



## BIOPLAST® bleach

Soft pliable rubber like material, specifically destined for fabrication of bleaching splints. Material does not bond to acrylic. Hardness Shore A: 92.

1.0 x 125 mm

3190.1  
10 pieces

3190.2  
100 pieces

CE

## BIOPLAST® Color

Soft, pliable rubber like material, does not bond to acrylic. Hardness Shore A: 85.

### Application

Coloured sports mouth guards, positioners

Color-Set	3271.1 10 pieces
3.0 x 125 mm, red	3282.1 10 pieces
3.0 x 125 mm, neon red	3352.1 10 pieces
3.0 x 125 mm, neon green	3353.1 10 pieces
3.0 x 125 mm, azure	3354.1 10 pieces
3.0 x 125 mm, red-transparent	3355.1 10 pieces
3.0 x 125 mm, blue-transparent	3356.1 10 pieces
3.0 x 125 mm, white	3445.1 10 pieces
3.0 x 125 mm, black	3448.1 10 pieces



CE

## BIOPLAST® Multicolor

Soft, pliable rubber like material, does not bond to acrylic.  
Hardness Shore A: 85.

### Application

Coloured sports mouth guards, positioners

// 3.0 x 125 mm, Germany	<b>3390.1</b> 10 pieces
// 3.0 x 125 mm, France	<b>3391.1</b> 10 pieces
// 3.0 x 125 mm, Italy	<b>3392.1</b> 10 pieces
// 3.0 x 125 mm, Spain	<b>3393.1</b> 10 pieces
// 3.0 x 125 mm, Sweden	<b>3394.1</b> 10 pieces
// 3.0 x 125 mm, Brazil	<b>3395.1</b> 10 pieces
// 3.0 x 125 mm, Transylvania	<b>3396.1</b> 10 pieces
// 3.0 x 125 mm, Atlantis	<b>3397.1</b> 10 pieces
// 3.0 x 125 mm, White Dots	<b>3398.1</b> 10 pieces
// 3.0 x 125 mm, Green Dots	<b>3399.1</b> 10 pieces
// 3.0 x 125 mm, Multicolor Set	<b>3400.1</b> 10 pieces

CE



## BIOPLAST® XTREME

BIOPLAST® XTREME material is ideally suited for simple and safe preparation of individual sports mouth guards. Hard V-shaped reinforcement layer (Shore A: 92) ensures additional protection in the anterior region, allowing precise positioning in the desired extension. Soft layer (Shore A: 85) can be used for lamination with BIOPLAST® or for insertion of the counter bite.

Only for MINISTAR® from 4/92 and BIOSTAR® from 4/99.

// 4.0 x 125 mm, red	<b>3295.1</b> 10 pieces
// 4.0 x 125 mm, blue	<b>3296.1</b> 10 pieces
// 4.0 x 125 mm, black	<b>3297.1</b> 10 pieces
// 4.0 x 125 mm, clear	<b>3298.1</b> 10 pieces
// 5.0 x 125 mm, red	<b>3286.1</b> 10 pieces
// 5.0 x 125 mm, blue	<b>3287.1</b> 10 pieces
// 5.0 x 125 mm, black	<b>3288.1</b> 10 pieces
// BIOPLAST® XTREME, 5.0 x 125 mm, clear	<b>3289.1</b> 10 pieces

CE

## BIOPLAST® XTREME Kit

Two different degrees of hardness in one pressure moulding blank thanks to the integrated reinforcement in the delicate anterior region. Absorbs hard and flat impacts in contact sports. V-shaped harder insert (Shore A: 92) for variable size of front tooth protection.

Kits come with 1 BIOPLAST® XTREME 5.0 x 125 mm, 1 bag of 15 g CETRON® cleaning powder, 1 BIOPLAST® insulating agent, retainer box.

Only for MINISTAR® from 4/92 and BIOSTAR® from 4/99.

// red	3283.1 1 kit
// blue	3284.1 1 kit
// black	3285.1 1 kit

CE



## BIOPLAST® XTREME PRO Kit

For professional sports where hard and flat impacts often occur. Additional hard-elastic insert for integrated reinforcement in the anterior region.

Kits come with 1 BIOPLAST® XTREME 4.0 x 125 mm, 1 BIOPLAST® clear 2.0 x 125 mm, 1 DURAN® 0.75 x 125 mm, 1 bag of 15 g CETRON® cleaning powder, 1 BIOPLAST® insulating agent, retainer box.

Only for MINISTAR® from 4/92 and BIOSTAR® from 4/99.

// red	3292.1 1 kit
// blue	3293.1 1 kit
// black	3294.1 1 kit

CE



## BRUX CHECKER® acc. to Prof. Sato

Foil with one-side colour coating for analysis and therapy planning in case of bruxism and CMD as well as for control and grinding of prosthetic restorations.

// 0.1 x 125 mm, red	3209.1 10 pieces
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CE



## IMPRELON®

Hard material, not elastic, bonds to acrylic for fixing handles of impression trays (REF 3216). Not suitable for occlusal splints.

### Application

Material in clear and opaque for impression trays, material in white for bite registration.

// 2.0 x 125 mm, clear	3164.1	
	10 pieces	
// 3.0 x 125 mm, clear	3168.1	3168.2
	10 pieces	100 pieces
// 3.0 x 125 mm, weiß	3274.1	
	10 pieces	
// 3.0 x 125 mm, opaque	3361.1	
	10 pieces	

CE



## IMPRELON® S pd

Extremely break and abrasion-resistant material. Already pre-dried and vacuum sealed for instant use. Not indicated for adjustments using acrylics.

### Application

OSAMU-Retainer®, miniplast splints, retention splints

// 0.5 x 125 mm, clear	3320.1	
	10 pieces	
// 0.75 x 125 mm, clear	3322.1	3322.2
	10 pieces	100 pieces
// 1.0 x 125 mm, clear	3324.1	3324.2
	10 pieces	100 pieces
// 1.5 x 125 mm, clear	3326.1	
	10 pieces	
// 2.0 x 125 mm, clear	3328.1	
	10 pieces	
// 3.0 x 125 mm, clear	3330.1	
	10 pieces	

CE 0044

## OSAMU-Retainer® Kit

Transparent retainer acc. to Dr. Yoshii. Pressure-moulded using BIOPLAST® 1.5 mm and IMPRELON® S pd 0.75 mm and OSAMU Bond for optimal compound of material. OSAMU-Retainer® Kit for fabrication of 10 retainers. All components also available separately.

// OSAMU-Retainer® Kit	3242.1	
10x IMPRELON® S pd (0.75 x 125 mm), 10x BIOPLAST® (1.5 x 125 mm), 10 ml OSAMU-bond	1 kit	

CE



## COPYPLAST®

Tough-elastic material, does not bond to acrylic, opaque.

### Application

Duplication moulds for situation models made of acrylics, bleaching splints, bracket transfer masks, moulds for temporary crowns and bridges, space holders.

// 0.5 x 125 mm	3177.1 10 pieces	3177.2 100 pieces
// 0.75 x 125 mm	3169.1 10 pieces	3169.2 100 pieces
// 1.0 x 125 mm	3179.1 10 pieces	3179.2 100 pieces
// 1.5 x 125 mm	3175.1 10 pieces	3175.2 100 pieces
// 2.0 x 125 mm	3181.1 10 pieces	3181.2 100 pieces

CE



## COPYPLAST® C

Transparent, tough-elastic and break- and abrasion-resistant material, does not bond to acrylic.

### Application

Long term splints and retainers, orthodontic splints

// 1.0 x 125 mm	3403.1 10 pieces	3403.2 100 pieces
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CE 0044

## HARDCAST®

Hard-elastic material, does not bond to acrylic, combustible leaving no residue, opaque.

### Application

Copings, spacer foil for bleaching splints

// 0.4 x 125 mm	3194.1 10 pieces
// 0.6 x 125 mm	3195.1 10 pieces
// 0.8 x 125 mm	3200.1 10 pieces

CE



## ISOFOLAN®

Foil ensures optimum insulation for plaster against resin in the pressure moulding technique. Best suited as insulation foil when pressurising hard-elastic material for splints.

// 0.1 x 125 mm

3207.1  
100 pieces



## Spacer foil

For use as a clear base foil, space maintainer and insulating foil for use with COPYPLAST® and HARDCAST® as well as for fabrication of copings from HARDCAST®. Remove before embedding the model.

// 0.1 x 125 mm

3202.1  
100 pieces



## Skin packaging

Protection packaging for sending out high quality models, consisting of cardboard and coating foil.

// Skin packaging

3206.1  
100 pieces



## Coating foil

Protection cover for study and orthodontic models.

// 0.15 x 125 mm

3203.1  
100 pieces

## Sampler of pressure moulding material

Sampler of all available pressure moulding materials with indication of thickness, diameters and colours. Helpful information on working procedures and chemical and physical parameters is given as well.

// Sampler of pressure moulding material

3135.1  
1 piece



## Resins, auxiliaries and accessories

### BLUE-BLOKKER®

Light-curing, blue-transparent blocking-out and modelling putty with optimum flow properties. For fabrication of space holders for bleaching splints and medical trays as well as for sealing and blocking set-up models. Burns without leaving any residue, can therefore also be used in prosthetics for the fabrication of fixed and removable dentures. Telescopic models are stable and can be lifted without tension. Curing in the wavelength range of 380 - 470 nm.

4 x 1.5 g  
incl. 2 cannula Ø 0.6 mm and 8 cannula Ø 0.9 mm

5276.1  
1 piece



### CLEAR-BLOKKER®

Light-curing, high-transparent gel for adjustments on pressure moulded DURAN® splints, reinforced with DURASPLINT® LC. Gel is best suited for removal of air inclusions and insertion of canine guidance. Polymerisation in wavelength range 360–420 nm, for example using LC-6 Light Oven. Prior to processing, LC primer has to be applied to DURAN® splints.

4 x 1.5 g  
incl. 2 cannula Ø 0.4 mm and 8 cannula Ø 0.9 mm

5261.1  
1 piece

CE



### Cannula

For use with BLUE-BLOKKER® and CLEAR-BLOKKER.

Ø 0.4 mm

5277.1  
5 pieces

Ø 0.9 mm

5278.1  
5 pieces



### SIL-KITT

Permanently plastic silicone, used specifically for blocking-out undercuts when fabricating pressure moulded splints, anti-snoring and orthodontic appliances.

red

3442.1  
150 g

transparent

3443.1  
150 g



## Blocking-out putty

Permanently plastic putty for blocking-out large-scale undercuts.

// Blocking-out putty	<b>3220.1</b> 250 g
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## BIOPLAST® Insulating agent

Insulation for plaster models when using BIOPLAST® material in the fabrication of positioners and sports mouthguard. BIOPLAST® insulating agent provides absolute transparency and smooth inner surfaces. Also available in practical 100 ml applicator bottle for quick and non-drip insulation of plaster models.

// BIOPLAST® Insulating agent applicator bottle with 3 tips	<b>3166.1</b> 100 ml
// BIOPLAST® Insulating agent	<b>3189.1</b> 500 ml



## BIOCRYL® Resin

Special orthodontic acrylic for attaching clasp arms and relining expansion screws when producing retention and expansion plates with BIOCRYL® C in the thermoforming technique. Material polymerises during the cooling phase in the pressure moulding unit. Time-consuming polymerisation in pressure polymerisation unit is not required.

// monomer	<b>3218.1</b> 0.25 l	<b>3218.2</b> 0.5 l
// polymer	<b>3221.1</b> 400 g	<b>3221.2</b> 1 kg

CE 0044



## DURASPLINT®

High-transparent cold-cure resin specifically designed for fabricating occlusal splints with adjusted occlusion. Very simple to use, little shrinkage, optimised trimming.

// kit incl. 200 g polymer and 100 ml monomer, mixing and dosing cup, 20ml orthodontic insulating agent incl. brush, pipette, glass spatula and detailed instructions	<b>3257.1</b> 1 kit	
// polymer	<b>3258.1</b> 200 g	<b>3258.2</b> 400 g
// monomer	<b>3259.1</b> 100 ml	<b>3259.2</b> 0.25 l

CE 0044





## DURASPLINT® flex

The MMA-free, self-curing splint material DURASPLINT® flex with thermoplastic memory effect for use in casting and pressing techniques. The material is flexible at body temperature, leading to an increased wearing comfort. At the same time, the material is characterized by a high restoring torque at room temperature, high breaking resistance, durability and permanent transparency. Available as kit for fabrication of approx. 17-18 splints, also as milling blank in thicknesses of 16 and 20 mm.

// kit	incl. 180 g polymer and 130 g monomer, mixing and dosing cup, pipette, glass spatula and detailed instructions	<b>3610.1</b> 1 kit
// polymer		<b>3611.1</b> 180 g
// monomer		<b>3612.1</b> 130 g

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## DURASPLINT® LC

Light-curing, transparent resin, specifically designed for the adjustment of DURAN® splints with a minimal thickness of 1.5 mm. Does not require curing in pressure polymerisation unit. For polymerisation, we recommend using the LC 6 light oven with pre-set polymerisation times of 5 or 10 min. Curing in the wavelength of 350 – 450 nm. Prior to processing, LC primer has to be applied to DURAN® splints.

No yellow discolouration of material after light-curing.

// kit	3 bars (38 g in total) DURASPLINT® LC, 1.5 g CLEAR BLOKKER® with 2 cannula, 10 ml LC primer with brush, 10g LC insulation, 1 LC bur A, B and C each, 1 SD polishing paste A and B each, 5 SD polishing brushes, SD felt discs and SD high-gloss polishing mops with mandrel	<b>3256.1</b> 1 kit
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// 3 bars, 38 g	W x L x H: 32 x 120 x 8 mm	<b>3261.1</b> 1 piece
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## LC Primer

Light-curing primer for pre-treating DURAN® splints before adjusting them with DURASPLINT® LC or CLEAR BLOKKER®. For polymerisation, we recommend using the LC 6 Light Oven with pre-set polymerisation times of 5 or 10 min. Curing in the wavelength of 350 – 450 nm.

LC Primer  
with brush

3263.1  
10 ml

CE



## LC Insulation

Facilitates modelling DURASPLINT® LC on DURAN® splints. Ensures clean and neat working results with smooth surfaces, considerably simplifying finishing.

LC Insulation

3266.1  
10 g



## OSAMU-Bond

Bonding agent for optimum compound of BIOPLAST® and IMPRELON® S pd in the pressure moulding technique.

OSAMU-Bond

3246.1  
10 ml

CE



## Impression tray handles

Stable, handy plastic handles which can be fixed to tray with cold cure resin and individually formed by heating.

Impression tray handles

3216.1  
10 pieces

3216.2  
100 pieces

CE



## Foam discs

Foam discs can be used as space holder and insulation for pressure moulded impression trays, providing retention to impression material.

Foam discs

3444.1  
10 pieces



## Stainless steel pellets

Stainless steel pellets, highly polished by galvanic treatment, for embedding models in pressure moulding machines. Thanks to the cylindrical pellet shape, models are securely positioned and cannot be pressed into the pellets.

// Stainless steel pellets

**3222.1**  
1 kg



## Pellet cover

Used for covering stainless steel pellets while thermoforming splints. Cover is reusable and avoids adhesion of pellets to the heated soft material.

// large

**3006.1**  
5 pieces

// small

**3007.1**  
5 pieces



## Pellet brush

Pellet brush with integrated magnet for quick removal of pellets and for easy lifting the model platform from the model cup.

// Pellet brush

**3136.1**  
1 piece



## Model platform 85 mm

Model platform with 85 mm diameter provides increased surface for dental arch models made of resin and hard plaster, preventing the model from getting pressed into the stainless steel pellets.

// Model platform, Ø 85 mm

**3134.1**  
1 piece



## Heating support

Can be attached directly to the heater when fabricating positioners and sports mouthguard, providing the optimum distance between model and heater when heating the occlusal surfaces and for compound of upper and lower splint. For BIOSTAR® and MINISTAR S®.

Dimensions (W x H x D): 190 x 160 x 70 mm

// Heating support

**3452.1**  
1 piece



# Finishing and polishing

## SD-Foil scissors A

SD foil scissors A are delicately made of a high-grade auto-clavable stainless steel alloy. For better handling, scissors are laterally curved. Micro serration prevents slipping.

SD-Foil scissors A

3460.1  
1 piece



## SD-Foil scissors B

SD foil scissors B are robust and durable for cutting splints or inserting cuts into splints after thermoforming.

SD-Foil scissors B

3461.1  
1 piece



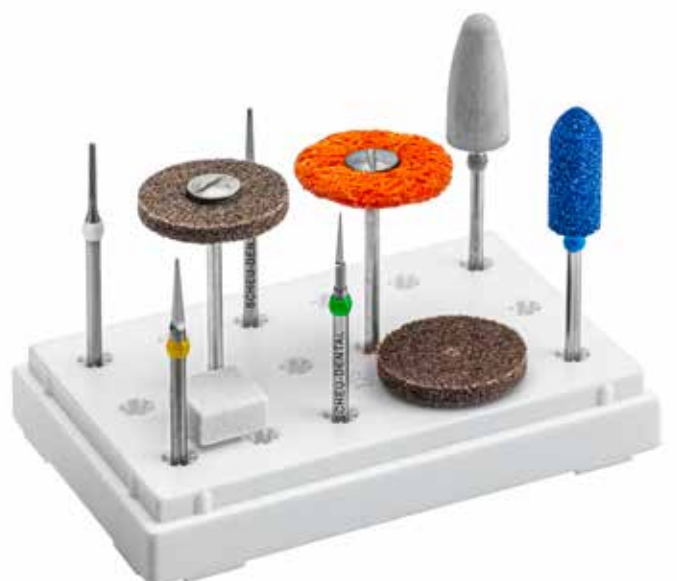
## Finishing set

Set containing eight grinding instruments for cutting, trimming and finishing of soft-elastic and hard-elastic material. With color coding for easy identification.

Finishing set

3378.1  
1 piece

Set comes with one each cutting bur, finishing bur, HM carbide bur, HM tricutter fine, BIOPERM trimmer, POLYFIX, OSAMU polisher, DIMO<sup>®</sup>PRO SLIM and dressing stone.



## LC-Bur

Specifically designed for finishing cold cure resin or light cured adjustments on splints. Allows neat cutting without clogging and leaving any residue. LC bur A comes in conical form for specific finishing or occlusal grinding. LC bur B is pear-shaped, ensuring very smooth grinding surface patterns when it comes to larger surfaces and LC bur C comes in bud form for quick and uniform removal of roughness.



## Finishing bur

Square cutting bur made of special soft alloy that does not damage clasp wires.



## HM-Tricutter fine

Fine triangular bur for interdental finishing of splints.



## HM-Carbide cutter

Triangular carbide cutting bur for quick, neat cutting of hard pressure moulding material.



## Cutting bur

Spiral cutting bur for quick, neat cutting of hard pressure moulding material.



// LC-Bur A maximum rotational speed: 20,000 r/min	<b>3267.1</b> 1 piece
// LC-Bur B maximum rotational speed: 20,000 r/min	<b>3268.1</b> 1 piece
// LC-Bur C maximum rotational speed: 20,000 r/min	<b>3265.1</b> 1 piece
// Finishing bur (red) maximum rotational speed: 7,500 r/min	<b>3377.1</b> 6 pieces
// HM-Tricutter fine (green) maximum rotational speed: 7,500 r/min	<b>3370.1</b> 6 pieces
// HM-Carbide cutter (yellow) maximum rotational speed: 7,500 r/min	<b>3369.1</b> 6 pieces
// Cutting bur maximum rotational speed: 25,000 r/min	<b>3214.1</b> 6 pieces

## OSAMU Polisher

Finishing and polishing of soft-elastic and compound material.

## POLYFIX

For trimming and final polishing of soft-elastic and compound material, brown. The discs should be shaped before use with a sharpening stone.

## BIOPERM Trimmer

For grinding and finishing soft-elastic and sandwich material, blue.



// OSAMU Polisher, grey maximum rotational speed: 15,000 r/min	<b>3247.1</b> 2 pieces
// POLYFIX, on mandrel maximum rotational speed: 12,000 r/min	<b>3371.1</b> 1 piece
// POLYFIX, discs maximum rotational speed: 12,000 r/min	<b>3372.1</b> 6 pieces
// BIOPERM Trimmer, blue maximum rotational speed: 25,000 r/min	<b>3226.1</b> 2 pieces



## DIMO® PRO / DIMO® PRO SLIM

Trimming wheel made of special elastomer with fine fibrous structure, extremely long working time, incl. mandrel. The discs should be shaped before use with a sharpening stone.

### Application DIMO®PRO

For finishing large-scale marginal areas and for final and high-gloss polishing of splints, positioners, sports mouthguard and orthodontic appliances. Provides highly-polished rims and uniform surfaces of hard/soft compound material.

### Application DIMO®PRO SLIM

For finishing splints, specifically in the area of ligaments and interdental spaces.

// DIMO®PRO, Ø 24 x 6 mm, incl. 1 mandrel maximum rotational speed: 10,000 r/min	<b>3381.1</b> 10 pieces	<b>3381.2</b> 50 pieces
// DIMO®PRO SLIM, Ø 24 x 4 mm, incl. 1 mandrel maximum rotational speed: 10,000 r/min	<b>3376.1</b> 10 pieces	<b>3376.2</b> 50 pieces

## DIMO®

Stable and flexible trimming wheels with prolonged processing time, three types of grains, incl. mandrel.

### Application

Trimming and initial polishing of elastomer, sandwich material, sports mouthguard and orthodontic appliances.

// brown / coarse, incl. 1 mandrel maximum rotational speed: 10,000 r/min	<b>3382.1</b> 10 pieces	<b>3382.2</b> 50 pieces
// green / medium, incl. 1 mandrel maximum rotational speed: 10,000 r/min	<b>3383.1</b> 10 pieces	<b>3383.2</b> 50 pieces
// maroon / fine, incl. 1 mandrel maximum rotational speed: 10,000 r/min	<b>3384.1</b> 10 pieces	<b>3384.2</b> 50 pieces
// mandrel	<b>3380.1</b> 10 pieces	



## Indication Chart on Applications in the Pressure Moulding Technique

Indication	Product	Recommended Thickness
Anti-snoring splint	DURAN®	2.0 mm
	DURAN®+	2.0 mm
	DURASOFT® pd with DURASOFT® seal	1.8 / 2.5 mm
Bite taking / Bite registration	IMPRELON® white, clear	2.0 / 3.0 mm
Bleaching splint	BIOPLAST® bleach	1.0 mm
	COPYPLAST®	1.0 mm
Bracket transfer mask	COPYPLAST®	0.5 / 0.75 mm
Copings	HARDCAST®	0.4 / 0.6 / 0.8 mm
Cosmetic splint	DURAN®+ A2	0.5 - 0.75 mm
	DURAN®+ white pd	0.5 - 1.0 mm
Etching mask	COPYPLAST®	1.0 mm
Fluorisation splint	DURAN®	1.0 / 1.5 mm
	DURAN®+	1.0 / 1.5 mm
Foil for therapy planning / analysis of bruxism	BRUX CHECKER®	0.1 mm
Immediate Dentures / temporary dentures	BIOCRYL® C (rose or clear)	2.0 / 3.0 mm
Individual impression tray, functional tray	IMPRELON® (clear)	2.0 / 3.0 mm
	IMPRELON® (opaque)	3.0 mm
Insulation Foil	ISOFOLAN®	0.1 mm
Invisible Retainer / Orthodontic splint	DURASOFT® pd with DURASOFT® seal	1.2 mm
	DURAN®	0.4 - 1.0 mm
	DURAN®+	0.4 - 1.0 mm
	IMPRELON®S pd	0.5 - 1.0 mm
	COPYPLAST® C	1.0 mm
Medical tray	DURAN®	1.0 mm
	DURAN®+	1.0 mm
Model duplication	BIOPLAST® (plaster)	min. 3.0 mm
	COPYPLAST® (resin)	2.0 mm
Model protection / Protective coating / Skin-packaging	Coating Foil	0.15 mm
Moulds for temporary crowns and bridges	COPYPLAST®	0.5 - 2.0 mm
Mouth Guard, sports protection	BIOPLAST®	1.0 - 5.0 mm
	BIOPLAST® XTREME / XTREME PRO	4.0 / 5.0 mm
Occlusal splint / Bruxism splint / Miniplast splint	DURAN®	1.0 - 1.5 mm
	DURAN®+	1.0 - 1.5 mm
	DURASOFT® pd optional with DURASOFT® seal	1.8 mm
OSAMU-Retainer® (combination BIOPLAST® and IMPRELON®S pd)	BIOPLAST®	1.5 mm
	IMPRELON®S pd with OSAMU-Bond	0.75 mm
Positioner	BIOPLAST®	2.0 - 5.0 mm
Retainer / Orthodontic plates	BIOCRYL® C	2.0 / 3.0 mm for lower jaw
Radiopaque splints	BIOCRYL® Form X	1.5 mm
Retention splint / Long-term retainer	CA® Retentionsfolie pd	0.75 / 1.0 mm
	COPYPLAST® C	1.0 mm
	DURAN®	0.75 / 1.0 mm
	DURAN®+	0.75 / 1.0 mm
Spacer maintainer foil for copings	Spacer foil	0.1 mm
	HARDCAST®	0.4 / 0.6 / 0.8 mm
Template for implants / Drillings / X-ray	DURAN®	2.0 / 3.0 mm
	DURAN®+	2.0 mm
Temporary Splint / Strip crown for temporary crowns and bridges	DURAN®	0.5 - 1.0 mm
	DURAN® +A2 pd	0.5 - 0.75 mm

Material Qualities	Bonds to Acrylic	Recommended Acrylic	Recommended Insulation
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	ISOFOLAN® foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	
hard / soft	yes	DURASPLINT®	ISOFOLAN® foil
hard / not elastic	yes	DURASPLINT®	ISOFOLAN® foil
soft-elastic	no		BIOPLAST® Insulating agent / soak model into water *
viscoplastic	no		Soak model shortly into water or spacer maintainer foil*
viscoplastic	no		Soak model shortly into water or spacer maintainer foil
viscoplastic	no		Spacer foil
hard-elastic	yes	veneering material	
hard-elastic	yes	veneering material	
viscoplastic	no		Soak model shortly into water or spacer foil
hard-elastic	yes		BIOPLAST® (space maintainer)
hard-elastic	yes		BIOPLAST® (space maintainer)
impact-resistant	yes	BIOCRYL® RESIN	ISOFOLAN® foil
hard / not elastic	yes	DURASPLINT®	ISOFOLAN® foil or Foam Discs
hard / not elastic	yes	DURASPLINT®	ISOFOLAN® foil or Foam Discs
viscoplastic insulation foil	no		
hard / soft	yes	DURASPLINT®/ DURASPLINT® LC	ISOFOLAN® foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	ISOFOLAN® foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	
hard-elastic / impact-resistant	not recommended		ISOFOLAN® foil
viscoplastic	no		Soak model shortly into water or spacer foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	ISOFOLAN® foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	
soft-elastic	no		BIOPLAST® Insulating agent / soak model into water
viscoplastic	no		Soak model shortly into water or spacer foil
bonds to Skin cardboard			
viscoplastic	no		Soak model shortly into water or spacer foil
soft-elastic	no		BIOPLAST® insulating agent
soft-elastic	no		BIOPLAST® insulating agent
hard-elastic	yes	DURASPLINT® / DURASPLINT® LC	ISOFOLAN® foil
hard-elastic	yes	DURASPLINT® / DURASPLINT® LC	
hard / soft	yes	DURASPLINT®	ISOFOLAN® foil
soft-elastic	no		BIOPLAST® insulating agent
hard-elastic / impact-resistant	no		
soft-elastic	no		BIOPLAST® insulating agent
impact-resistant	yes	BIOCRYL® RESIN	ISOFOLAN® foil
viscoplastic	no		Spacer maintainer foil
hard-elastic	no		ISOFOLAN® foil
viscoplastic	no		Soak model shortly into water or spacer foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	ISOFOLAN® foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	
hard-elastic / impact-resistant	not recommended		ISOFOLAN® foil
hard insulation foil	yes		
viscoplastic	no		Spacer foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	ISOFOLAN® foil
hard-elastic	yes	DURASPLINT®/ DURASPLINT® LC	
hard-elastic	yes	veneering material	ISOFOLAN® foil
hard-elastic	yes	veneering material	

\* BLUE-BLOKKER as space maintainer/reservoir



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