

EXIGO

The Additive Manufacturing Platform

MATERIAL





4 industrial

6 medical

9 customized






INDUSTRIAL MATERIAL

Products need calculable mechanical properties. For that reason we develop an industrial material line which is steady growing. Don't be shy to have a look to medical materials, they often fit industrial criterias!

Coobx Standard

No IND0001








 Color	white, grey, black
 Tensile Strength	> 30 MPa
 Elongation (break)	5 - 7 %
 Young Modulus	> 1600 MPa
 Hardness	86 Shore D

Universal acrylic based material for general models.

Coobx PU-F

No IND0004








 Color	white, grey, black
 Tensile Strength	> 27 MPa
 Elongation (break)	> 250 %
 Young Modulus	> 800MPa
 Hardness	78 Shore D

PU-F is corresponding to PP thermoplastic materials. Customizable.

Coobx SR

No IND0002

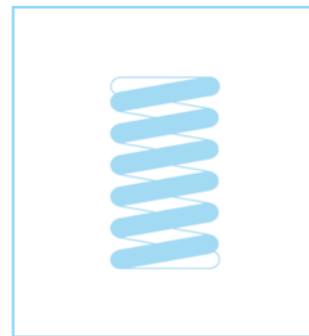







 Color	white, grey, black
 Tensile Strength	> 40 MPa
 Elongation (break)	6 - 7 %
 Young Modulus	> 3000 MPa
 Hardness	90 Shore D

Universal stiff and rigid, acrylic based material for general models.

Coobx PU-E

No IND0005

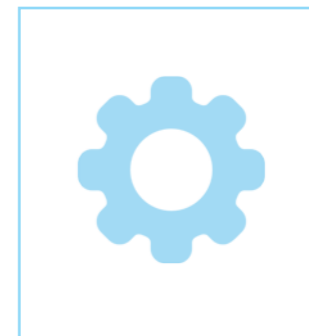







 Color	white, grey, black
 Tear resistance	> 20 kN/m
 Elongation (break)	> 180 %
 Compression set	25 %
 Hardness	65 Shore A

PU-E is comparable to injection molded PU elastomers. Customizable.

Coobx PU-R

No IND0003



 Color	white, grey, black
 Tensile Strength	> 45 MPa
 Elongation (break)	90 - 100 %
 Young Modulus	> 1800 MPa
 Hardness	83 Shore D

PU-R is a true alternative to ABS thermoplasts with similar mechanical properties based on Polyurethane. Customizable.

Infilled & Customized Materials



If you have already an existing process with your qualified material, ask us for assistance. Maybe we can implement this to our LIFT® process.

If you need special mechanical properties, like harder surfaces, more flexible etc., your technical requirements are welcome any time.

Coobx Model

No MED0001

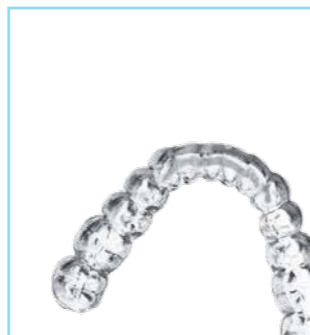


Color	beige opaque
Tensile Strength	> 85 MPa
Elongation (break)	11 - 15 %
Young Modulus	> 1750 MPa
Hardness	80 Shore D

Universal model material for medical models. Smooth surface.

Coobx Splint

No MED0002

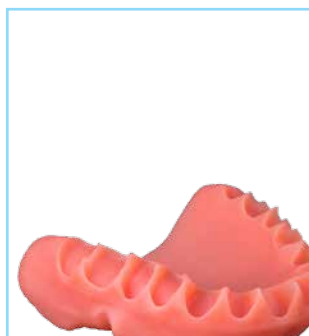


Color	transparent
Tensile Strength	> 40 MPa
Elongation (break)	> 20 %
Young Modulus	> 600 MPa
Hardness	-

Biocompatible material for splint and aligner production.

Coobx Denture

No MED0004

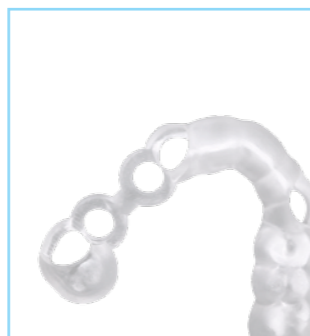


Color	rose translucent
Tensile Strength	> 95 MPa
Elongation (break)	5 - 7 %
Young Modulus	> 2200 MPa
Hardness	> 85 Shore D

Biocompatible material for digital denture production.

Coobx Guide

No MED0005



Color	transparent
Tensile Strength	> 75 MPa
Elongation (break)	10 - 15 %
Young Modulus	> 1700 MPa
Hardness	82 Shore D

Biocompatible material for surgical guide production.

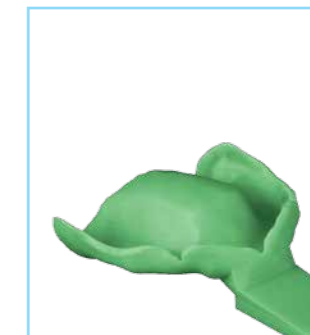
MEDICAL MATERIAL

In Healthcare, Dental and Othology business it is important to have strong partners. We are proud having Dreve, a German based materials specialist, as our partner for these materials. Together we developed and optimised all materials for the LIFT® process. Every material has been adapted and specially formulated to our system and was proved by our specialists.



Coobx Tray

No MED0003

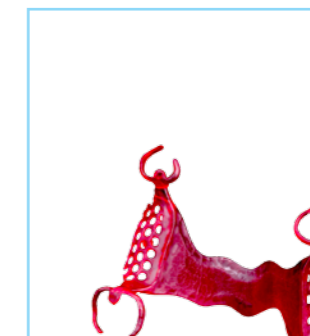


Color	green
Tensile Strength	> 75 MPa
Elongation (break)	> 4 %
Young Modulus	> 1850 MPa
Hardness	80 - 90 Shore D

Universal material for individual, digital impression trays.

Coobx Cast

No MED0006

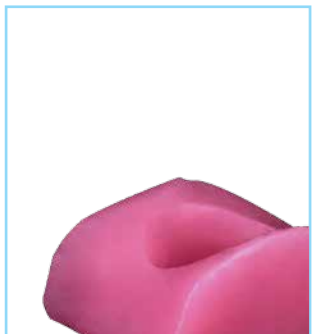







Color	red translucent
Tensile Strength	> 100 MPa
Elongation (break)	7 - 11 %
Young Modulus	> 2000 MPa
Hardness	80 - 90 Shore D

Universal stiff and rigid, acrylic based material for general models.

Coobx Gingiva

No MED0007








 Color	rose / pink
 Tensile Strength	> 2.8 MPa
 Elongation (break)	> 55 %
 Tear resistance	> 15 kN/m
 Hardness	60 Shore A

Elastic material for digital gingiva mask production

Coobx Setup

No MED0008



 Color	yellow - beige
 Tensile Strength	> 100 MPa
 Elongation (break)	6 %
 Young Modulus	> 2000 MPa
 Hardness	> 80 Shore D

Model material for **highest details** and **best edge stability**



Viscosity

Limited to the flowability, viscosities up to 50'000 cps are possible to process.



Infilled

From haptic infills up to producing metal or ceramic based green parts all is possible. Particles needs to be < 40 microns.



2K Systems

The BuildBox gives the capability also to process two or more component systems. The homogenisator keeps them mixed.



Workflow

Every material gets implemented in the LIFT® workflow, from Pre- to Post-Processing including all steps.

MATERIALS ARE THE KEY TO YOUR PRODUCTS. LIFT® CHANGES THE WAY HOW TO PROCESS THEM. **BE DIFFERENT. THINK FURTHER.**

Develop Material

Our LIFT®-Technology together with the unique BuildBox and LIFE Zone opens new ways in material science.

Being nearly independent of viscosities and infill grades makes it easy to experiment with astonishing new materials. We invite you being part of this revolution in processing materials and contact us bringing your ideas of resins and blends to life. Also we can't change chemistry, but we have changed the way how it is processed. Providing a complete, qualified workflow guarantees high quality products.

LEARN
ABOUT
LIFT®
Technology

LIFT® stands for Light Initiated Fabrication Technology and is not only an expression. It combines many different features in one single machine to get a real production tool. Industrial engineering and Liechtenstein manufacturing together with best components for highest possible reliability.



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