



- Fast mounting
- Superior edge retention
- Optimal planeness
- Dust-free solution



Complete range of materials for high, consistent quality mounts and short process times

The purpose of mounting is to protect fragile or coated materials during preparation and to obtain perfect edge retention. Mounting also allows for a safer, more convenient handling of e.g. small, sharp or irregularly shaped specimens. Hot mounting is ideal for large numbers of specimens coming to the lab successively. It is carried out using a mounting press where the specimen is placed in a mounting cylinder along with the appropriate mounting materials. Struers offers mounting presses for every purpose, please see separate [brochure](#).

A clear sight to all specimen details

For certain materials you need to view the specimen during preparation, for example when grinding down to a certain point of the specimen. ClaroFast gives you transparent mounts with a clear sight to all specimen details.

Porous specimens

Certain materials like ceramics, plasma sprayed coatings or specimens for failure analysis require special care during preparation. Porosity, gaps, cracks and loose particles can easily be altered or even removed during preparation if the specimens are not mounted properly. Use ClaroFast for careful preparation of porous materials.



ClaroFast

Fast and easy routine examination

For materials without specific application requirements, speed or easy handling is often the focus. MultiFast is suitable for routine examination of soft to medium hard materials.

Dust-free solution

PuriFast is a non-classified mounting material. It is made of unclassified raw materials and creates no dust during handling. This gives you and your employees a healthier and safer work environment.

Electrolytic polishing

Electrolytic polishing requires an electrically conductive resin. ConduFast contains iron powder filler for optimal conduction.



ConduFast

Superior edge retention

Excellent edge retention is often a requirement when you need to examine the edge of a specimen and when the protection of layers is essential. DuroFast offers excellent edge-retention for hard materials while LevoFast is excellent for soft to medium hard materials.



DuroFast

Examination in SEM

Low shrinkage and high conductivity are necessary for examinations with the scanning electron microscope (SEM). PolyFast is the perfect mounting material for SEM due to its low shrinkage and carbon filler to secure the conductivity.

When using DuroFast, LevoFast with PuriFast, MultiFast or CitoFast, a backing mount can be made by adding approx. 1/3 of DuroFast or LevoFast to form the preparation surface. Complete your mount with 2/3 of the backing material PuriFast. If time is important, use CitoFast for fast mounting.

EasyDoser

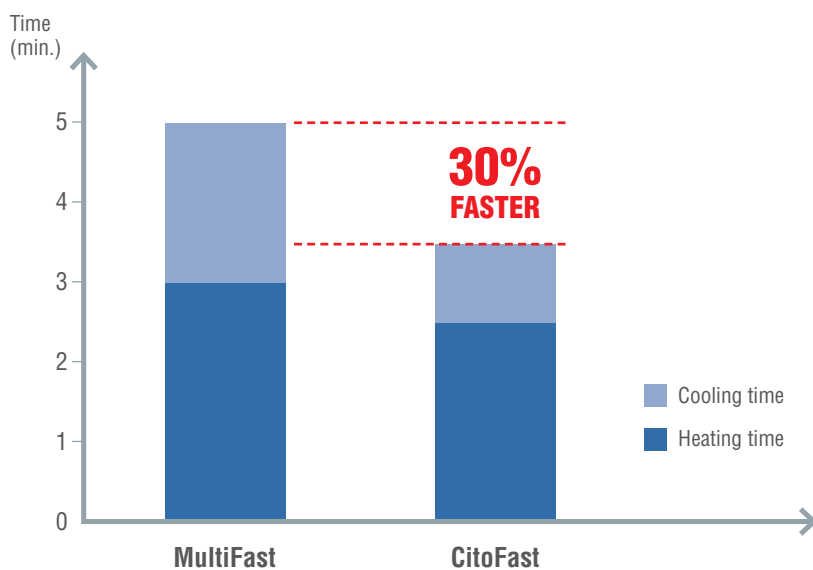
EasyDoser is the first universal manual dosing system on the market, making resin dosing both simpler and safer. The doser is applicable with Struers 1 kg resins, and can be used with any hot mounting press to make resin dosing as simple and convenient as possible. No spoons or funnels are required, the doser is attached directly on the Struers resin container, meaning a dust free free and correct dosing of your Struers hot mounting resins.

EasyDoser is also ideal when using two different resins in one mount. The dosing unit comes with 7.5 ml, 10 ml, 15 ml, 25 ml and 30 ml replaceable dosing compartments.



Maximise throughput with the fastest resin on the market

CitoFast is a patent-pending acrylic resin for soft materials. Thanks to its aluminium powder content, it can process as fast as 3½ minutes, making it the fastest resin on the market.



30 mm dia. mounts mounted in Struers' CitoPress mounting press.

SPECIFICATIONS	Cat.no
ClaroFast (Clear)	
1 kg	40100055
7.5 kg	40100054
25 kg	40100053
CitoFast (Grey)	
1 kg	40100068
7.5 kg	40100069
ConduFast (Black/Grey)	
1 kg	40100039
DuroFast (Black)	
1 kg	40100044
7.5 kg	40100045
LevoFast (Light yellow)	
1 kg	40100057
7.5 kg	40100058
PolyFast (Black)	
1 kg	40100036
7.5 kg	40100037
PuriFast	
2.5 kg	40100082
7.5 kg	40100083
30 kg	40100084
90 kg	40100085
PuriFast Green	
2.5 kg	40100086
7.5 kg	40100087
30 kg	40100088
90 kg	40100089
PuriFast Red	
2.5 kg	40100090
7.5 kg	40100091
30 kg	40100092
90 kg	40100093
MultiFast Black	
2.5 kg	40100064
7.5 kg	40100065
25 kg	40100066
75 kg	40100067
MultiFast Green	
2.5 kg	40100078
7.5 kg	40100079
25 kg	40100080
75 kg	40100081
MultiFast Red	
2.5 kg	40100074
7.5 kg	40100075
25 kg	40100076
75 kg	40100077

Accessories

Fixation Clips 6 mm 100 pcs.	40300026
Fixation Clips 9 mm 100 pcs.	40300025
EpoDye 20 g	40300002
AntiStick 8 g	40300043

Manual doser

EasyDoser	05796902
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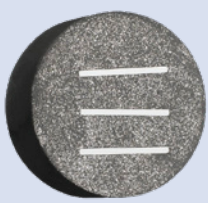

Scraper

For cleaning the rams on mounting presses	05366901
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For information about CitoPress, please see separate [product brochure](#).

Struers' products are subject to constant product development. Therefore, we reserve ourselves the right to introduce changes in our products without notice.

Struers' Selection Guide - The easy way to the right choice





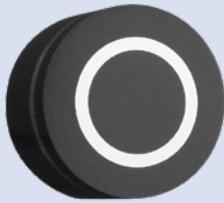
Resin	ClaroFast	CitoFast	ConduFast	D
				
Material	Acryl	Acryl with aluminium filler	Acryl with iron filler	E m
Type	Thermoplastic	Thermoplastic	Thermoplastic	Th
Shrinkage From 1-3 (1 is best)	••	••	••	
Hardness From 1-3 (1 is softest)	••	••	•	
Removal rate	High	High	High	
Process parameters*				
Heating temperature (°C)	180	180	180	
Quantity (ml)	20	20	20	
Heating time (min.)	4	2.5	3.5	
Heating pressure (bar)	350	300	250	
Cooling time (min.)	6.5	1	1.5	
Cooling rate	Low	High	High	
Total process time (min.)	10.5	3.5	5	
Application / Specific properties	Transparent mounts. Porous specimens.*** Surface electrical insulator for ConduFast.	For soft materials.** Fast mounting also when used as backing.	Electrolytic polishing.	For hard Excellen

* 30 mm dia. mount with a 45% carbon steel specimen (20 vol%)

** Embedded abrasives can occur in the aluminium filler.

*** For some materials, using sensitive mode.

For more information and troubleshooting please see [Hot Mounting Guide for CitoPress](#).

DuroFast	LevoFast	PolyFast	PuriFast	MultiFast
				
Epoxy with mineral filler	Melamine with mineral and glass filler	Bakelite with carbon filler	Polypropylene with wood and mineral filler	Bakelite with wood filler
Thermosetting	Thermosetting	Thermosetting	Thermoplastic	Thermosetting
•	•	•	•••	•••
•••	•••	••	•	•••
Low	High	High	High	Medium
180	180	180	150 - 180	180
20	25	20	25	25
3.5	3.5	3.5	3	3
325	250	250	250	250
2	2	1.5	2	2
High	High	High	High	High
5.5	5.5	5	5	5
For soft to medium hard materials. Excellent edge retention.	For soft to medium hard materials. Excellent edge retention.	SEM examination.	General used for soft to medium hard materials. Suitable as backing.	Routine examination of soft to medium hard materials. Suitable as backing.

Accessories

A variety of accessories, to provide easier handling and more accurate specimen preparation, are available.

- AntiStick prevents the mounting resins from sticking to the rams of the press
- Metal spring clips to hold or support small specimens
- EpoDye, fluorescent dye for use with ClaroFast for microscopic examination of porous materials.



Buy your consumables in Struers e-Shop!
e-shop.struers.com

Ensuring certainty

Materialographic preparation and testing demands consistent, reproducible results. These come not only from your laboratory process, operators and equipment, but from your supply chain and your partner. As a Struers customer you benefit from high quality design and engineering of equipment and consumables, but just as much from our unique knowledge base, robust global supply chain, and expert service and applications support – where and when you need it. We call all this ensuring certainty

Struers remains dedicated to making the world a better place through the pursuit of deep scientific insights and ground-breaking technology. Today, we're your trusted partner in a fast-changing world, sharing our expertise and practical experience on a global scale. This gives you innovative solutions that help you face the future with confidence. We continue to lead the way in materialographic products and services, and to shape future developments towards a better society.

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