



- Fast mounting
- Superior edge retention
- Optimal planeness



## Complete range of resins 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 resin. 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.

### 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 resin for SEM due to its low shrinkage and carbon filler to secure the conductivity.

When using the more expensive DuroFast and LevoFast, a substantial cost saving can be made by adding only a small amount of the desired resin to form the preparation surface, and then completing the required amount with the less expensive MultiFast. If time is the most important parameter, use the market's fastest resin CitoFast as backing resin.

## HandyDoser - The universal manual doser

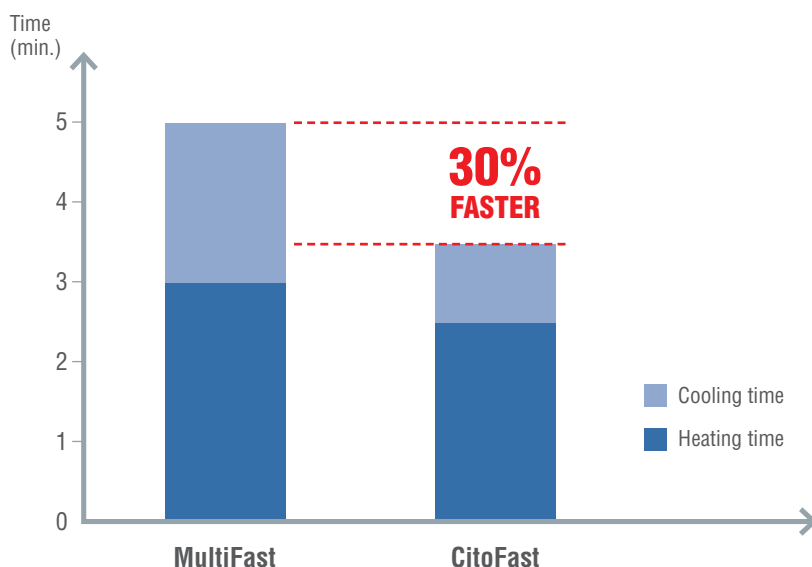
The doser can be used with any hot mounting press to make resin dosing as simple and convenient as possible. No spoons or funnels are required, dosing the right volume becomes easy and cleaning of the hot mounting press is reduced to a minimum.

HandyDoser is ideal when using two different resins in one mount. The dosing unit doses 5 ml at a time and holds enough resin for approximately 30 mounts or 550 ml.



## 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.





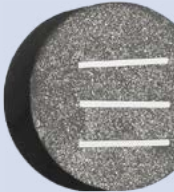
30 mm dia. mounts mounted in Struers' CitoPress mounting press.

SPECIFICATIONS	Cat.no
<b>ClaroFast (Clear)</b>	
1 kg	40100055
7.5 kg	40100054
25 kg	40100053
<b>CitoFast (Grey)</b>	
1 kg	40100068
7.5 kg	40100069
<b>ConduFast (Black/Grey)</b>	
1 kg	40100039
<b>DuroFast (Black)</b>	
1 kg	40100044
7.5 kg	40100045
<b>LevoFast (Light yellow)</b>	
1 kg	40100057
7.5 kg	40100058
<b>PolyFast (Black)</b>	
1 kg	40100036
7.5 kg	40100037
<b>MultiFast Black</b>	
2.5 kg	40100027
7.5 kg	40100028
25 kg	40100029
75 kg	40100063
<b>MultiFast Green</b>	
2.5 kg	40100030
7.5 kg	40100031
<b>MultiFast Red</b>	
2.5 kg	40100060
7.5 kg	40100061
25 kg	40100062
<b>Accessories</b>	
Fixation Clips 6 mm 100 pcs.	40300026
Fixation Clips 9 mm 100 pcs.	40300025
EpoDye 20 g	40300002
AntiStick 8 g	40300043
<b>Manual doser</b>	
HandyDoser	05736902
<b>Scraper</b>	
For cleaning the rams on mounting presses	05366901

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

\* 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](#).

	<b>DuroFast</b>	<b>LevoFast</b>	<b>PolyFast</b>	<b>MultiFast</b>
				
	Epoxy with mineral filler	Melamine with mineral and glass filler	Bakelite with carbon filler	Bakelite with wood filler
	Thermosetting	Thermosetting	Thermosetting	Thermosetting
	•	•	•	•••
	•••	•••	••	•••
	Low	High	High	Medium
	180	180	180	180
	20	25	20	25
	3.5	3.5	3.5	3
	325	250	250	250
	2	2	1.5	2
	High	High	High	High
	5.5	5.5	5	5
	For hard materials. Excellent edge retention.	For soft to medium hard materials. Excellent edge retention.	SEM examination.	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](http://e-shop.struers.com)



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