



DEEP DIVE INTO PURIFAST

Tests, data and proofs





A PURE MOUNTING MATERIAL

Optimize your hot mounting process and improve your work environment. PuriFast is a dust-free and unhazardous thermoplastic hot mounting material. It facilitates maximum value and high usability when working with any specimen complexity.

- ✓ **Improve employee safety** with unhazardous material
- ✓ **Achieve high reliability** with a universal hot mounting material
- ✓ **Increase efficiency** with ergonomic handling
- ✓ **Minimize environmental impact** by reducing power consumption



“This new granular hot mounting material provides the user with improved properties regarding dosing and work environment.”

Helle Michaelsen, Global Application Director

Experience a healthier working environment

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

100% phenol free, made of propylene with wood and mineral filler



Optimize process time with ergonomic handling

PuriFast is very easy to use. The container has ergonomic handles and a split lid that make working with the mounting material more efficient. This saves you time, because the measuring out and filling into the mounting cylinder is very easy.

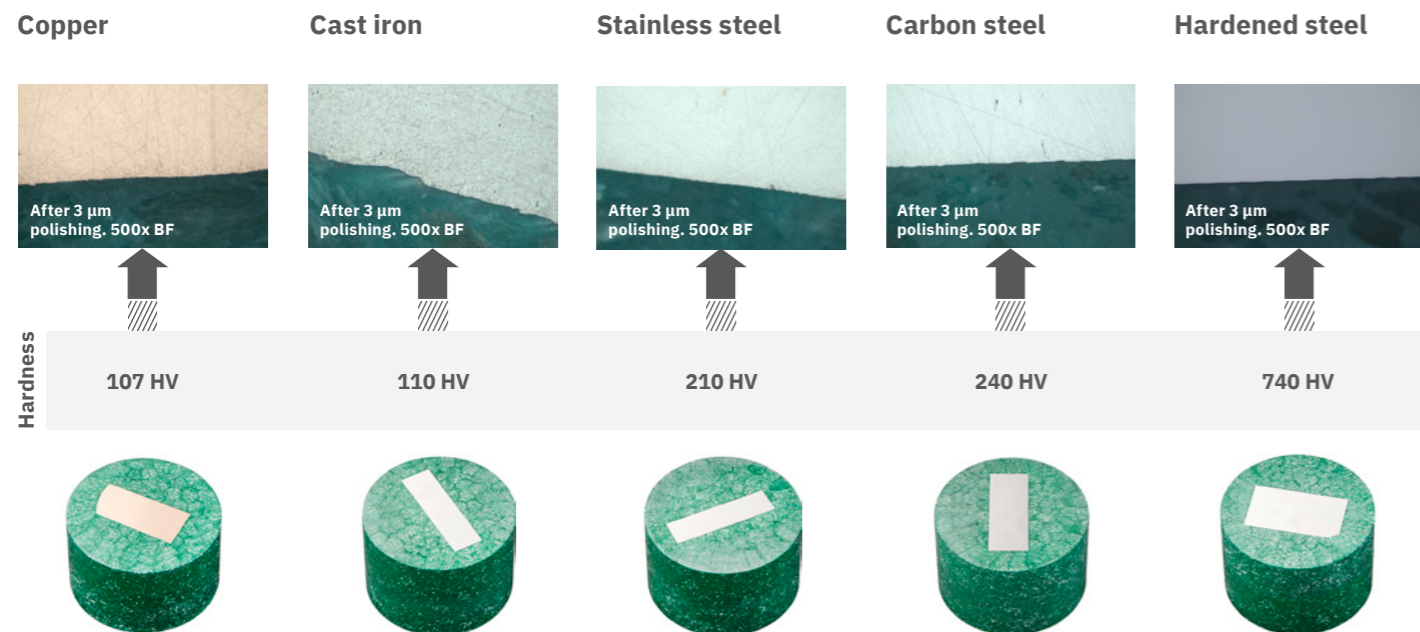


The special spoon is designed with a pouring funnel. This makes dosing fast and easy. It also reduces waste as no material is dropped during dosing.

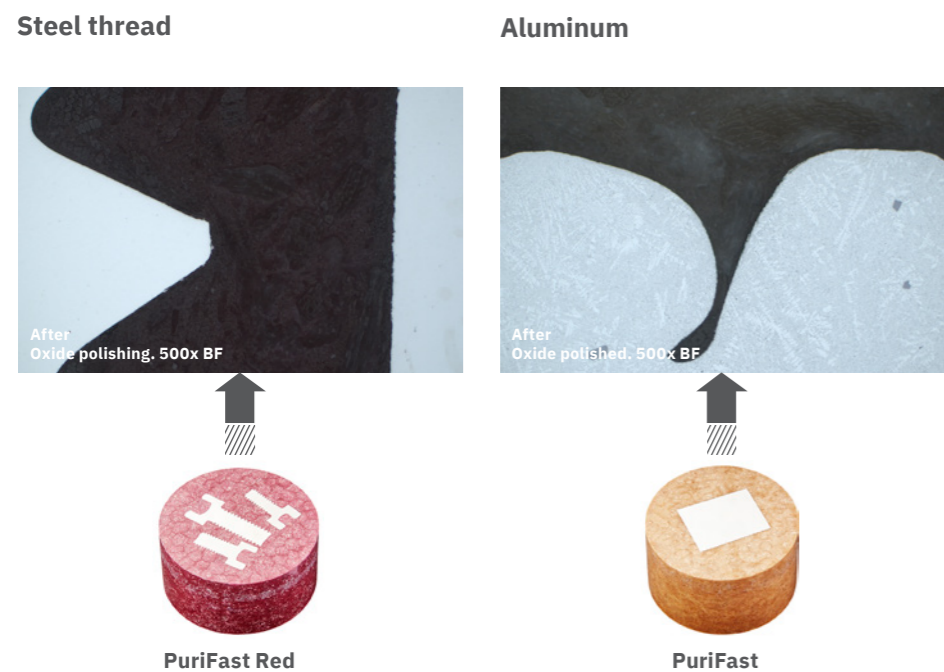


Increase reliability using a universal hot mounting material

With PuriFast, you can mount different materials in different sizes and shapes. This enables you to achieve reproducible results for more reliable verification.



All specimens are mounted with PuriFast Green



With PuriFast, you also achieve high-quality mounting results when working with specimens with complex geometries.

Save time with multi-specimen mounting

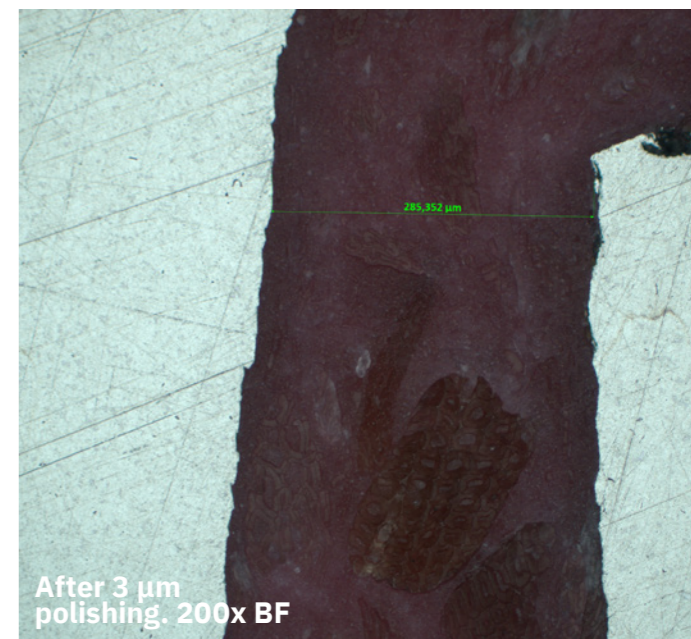
PuriFast can handle many specimens in the same mount, saving you time in the mounting and further preparation steps/process.



PuriFast



PuriFast is a thermoplastic made of polypropylene with wood and mineral filler. The material flows fluently when heated up. This ensures a perfect mount without holes in the matrix.



After 3 μm polishing. 200x BF

Optimize your use of mounting material

PuriFast can be used as a backing material. This enables you to customize your mounting consumables to suit your specimen/analysis requirements and improve efficiency.



DuroFast PuriFast



LevoFast PuriFast Green



Combine PuriFast with DuroFast or LevoFast mounting materials to meet the highest verification requirements.



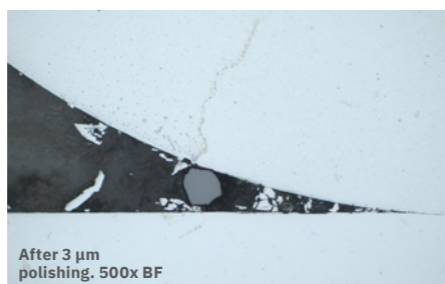
Overcome traditional mounting challenges with sensitive mode

With traditional thermosetting hot mounting materials, porous and pressure sensitive specimens are often a challenge. Using thermoplastic PuriFast, you can overcome these challenges by preheating in sensitive mode.

Sensitive mode



Traditional mode



Mounting with PuriFast in sensitive mode gives you a reliable way to achieve high-quality mounts when working with complex geometries.

Experience easy marking

Correct and legible labelling is essential for documentation and traceability. PuriFast can be marked easily, without excessive pressure when engraving.



PuriFast comes in three colors. This enables you to color-code your specimens ensuring correct choice of preparation method.



Reduce your power consumption in the lab

PuriFast enables you to mount specimens at 150 °C instead of 180 °C. This enables you to reduce your mounting equipment's power consumption by up to 10 %, lowering your carbon footprint.

Reduce power consumption by up to

↓ **10** %



Achieve maximum usability and productivity

With PuriFast as part of your consumables solution, you can increase efficiency in your hot mounting process. PuriFast works perfectly with Struers' CitoPress mounting equipment and accessory. This gives you a complete hot mounting solution designed for high productivity and safe work environment.



The EasyDoser ensures a dust-free work environment, when using hot mounting materials. Use it with Struers' hot mounting materials: DuroFast and LevoFast to meet the highest employee safety standards.





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.