The perfect match for faster results

- All-in-one suspension
- Can reduce preparation time by 30%
- Easy to use and clean
Faster preparation time and outstanding results

DiaPro is a line of unique diamond suspensions that make materialographic specimen preparation faster, more cost-efficient and easier to do.

Developed and optimised to deliver maximum performance

Extensive tests have shown that the composition of the surface, such as the polishing textile, has a remarkably high influence on the efficiency of the diamond suspensions used. Each DiaPro suspension has been developed and optimised to deliver maximum performance when used with Struers’ specially designed grinding discs or polishing cloths. When used together, DiaPro suspensions and Struers surfaces give you a faster and more efficient way to realize reproducible and reliable results – every time.
Removal Time

DiaPro gives higher removal

Higher removal is converted into faster method

Traditional method

New method

Material removal chart

Reduce average preparation time by 30%

DiaPro suspensions are uniquely formulated to ensure a high removal rate. Tests show that DiaPro can reduce preparation time by 20-60% compared to traditional diamond products, depending on the used surface and the individual preparation method.

The higher removal rate means you can prepare specimens faster, and with less effort. You save time and consumables, and boost specimen preparation efficiency – without compromising quality.

7 Reasons to choose DiaPro

• High removal rate = Fast preparation time
• Consistent, reproducible results
• All-in-one
• No run-in time
• Easy cleaning
• Water-based, non-toxic
• Developed, produced and tested by Struers

Run-in time

When using traditional diamond products, the cloths usually need 5-15 min. run-in time, but with DiaPro suspensions, polishing cloths run-in time is practically eliminated.
Make specimen preparation easier and more efficient

DiaPro is an easy to use all-in-one suspension meaning that the optimal mixing ratio of high-performance diamonds and lubricants has been selected carefully and combined into one product. You no longer need to worry about applying enough or overdosing the diamonds. Based on extensive research at Struers, the optimal ratio of diamonds and lubricant has already been calculated for you. Just apply DiaPro to achieve the correct level of lubrication.

High removal rate implies a lot of grinding and polishing dirt. DiaPro suspensions are composed to make it easier to clean the specimens, the surface and the machine.

Time comparison chart*

<table>
<thead>
<tr>
<th>Material</th>
<th>Traditional method</th>
<th>DiaPro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pure Aluminium</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>Pure Copper</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>Brass</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Mild Steel</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>White Cast iron</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Plasma spray coating</td>
<td>25</td>
<td>20</td>
</tr>
<tr>
<td>Al₂O₃ Medium Carbon</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>Sintered carbide</td>
<td>10</td>
<td>5</td>
</tr>
</tbody>
</table>

* Specimen size ø 30 mm
# SPECIFICATIONS

<table>
<thead>
<tr>
<th>DiaPro</th>
<th>Cat.no</th>
</tr>
</thead>
<tbody>
<tr>
<td>DiaPro are unique diamond suspensions for faster, more cost-efficient and much easier materialographic specimen preparation. Each single DiaPro suspension has been developed and optimized for use on specific grinding or polishing surfaces.</td>
<td></td>
</tr>
</tbody>
</table>

**DiaPro Pan 15 µm**
- For pre-polishing on MD-Pan and DP-Pan
- 500 ml: 40600375
- 5 l: 40600376

**DiaPro Allegro/Largo 9 µm**
- For fine grinding on MD-Allegro and MD-Largo
- 500 ml: 40600369
- 5 l: 40600370

**DiaPro Plan 9 µm**
- For polishing on MD-Plan and DP-Plan
- 500 ml: 40600385
- 5 l: 40600386

**DiaPro Sat 6 µm**
- For polishing on MD-Sat and DP-Sat
- 500 ml: 40600377
- 5 l: 40600378

**DiaPro Largo 3 µm**
- For polishing on MD-Largo
- 500 ml: 40600391
- 5 l: 40600392

**DiaPro Mol B 3 µm**
- For polishing of hard materials (>150 HV) on MD-Mol and DP-Mol
- 500 ml: 40600379
- 5 l: 40600380

**DiaPro Mol R 3 µm**
- For polishing of soft materials (<150 HV) on MD-Mol and DP-Mol
- 500 ml: 40600393
- 5 l: 40600394

**DiaPro Dur 3 µm**
- For polishing on MD-Dur and DP-Dur
- 500 ml: 40600395
- 5 l: 40600396

**DiaPro Dac 3 µm**
- For polishing on MD-Dac and DP-Dac
- 500 ml: 40600371
- 5 l: 40600372

**DiaPro Plus 3 µm**
- For polishing on MD-Plus and DP-Plus
- 500 ml: 40600387
- 5 l: 40600388

**DiaPro Floc 3 µm**
- For polishing on MD-Floc and DP-Floc
- 500 ml: 40600389
- 5 l: 40600390

**DiaPro Dur 1 µm**
- For polishing on MD-Dur and DP-Dur
- 500 ml: 40600381
- 5 l: 40600382

**DiaPro Nap B 1 µm**
- For polishing of hard materials (>150 HV) on MD-Nap and DP-Nap
- 500 ml: 40600373
- 5 l: 40600374

**DiaPro Nap R 1 µm**
- For polishing of soft materials (<150 HV) on MD-Nap and DP-Nap
- 500 ml: 40600387
- 5 l: 40600398

**DiaPro Nap ¼ µm**
- For polishing on MD-Nap and DP-Nap
- 500 ml: 40600383
- 5 l: 40600384

**Dosers**
- For manual dosing
- Dosing Gun with 500 ml: 40700031
- Squeeze bottle 250 ml: 40700032

For information on automatic dosing systems please require separate leaflet.

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We care about the working environment

DiaPro suspensions are purely water-based and do not contain solvents. They are classified as non-toxic and thus the environmentally-friendly choice of consumable. The products are extremely stable and do not settle, ensuring high quality and reproducibility.

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

With offices and affiliates in 24 countries and a presence in more than 50 countries worldwide, Struers is the world’s leading materialographic solution supplier. We are dedicated to enabling our customers to ensure certainty in all aspects of materialographic preparation and testing as well as material hardness testing – wherever they are in the world. Struers offers a complete range of equipment, consumables, service and training programmes – all supported by the most comprehensive knowledge base, global applications support and a certified global service set-up.

Learn more
Contact a Struers sales representative today or visit www.struers.com