METAL-BITE®

Universal precision registration material

www.r-dental.com

Product information
High quality product for universal precision registrations

Early in 2000 the classical dark grey METAL-BITE® was introduced as the first universal fast setting automixing vinyl polysiloxane for universal precision registrations.

Over time the conventional indications have been extended: As a result of innovative applications METAL-BITE® is not only used for static but also for dynamic registrations and because of its radiopacity METAL-BITE® is used additionally for manufacturing surgical guides for implantology and for bite plates of face bow registrations.

In addition METAL-BITE® is used for fixing the para-occlusal impression tray for the achsiographic and for CMD applications. METAL-BITE® may be used for conventional intraoral registrations (static occlusion registrate in hicp) and optionally for chairside and labside powderfree scanning with universal CAD/CAM systems. The registrations are rigid and easy to trim.

The indications of METAL-BITE® are as follows:

- universal registrations and static hicp-registrations
- classical face-bow registrations according to Prof. (HR) Dr. A. Gutowski, Germany
- for CMD applications according to Dr. C. Köneke, Germany
- for fixing para-occlusal impression trays for the achsiographic according to PD Dr. M. O. Ahlers, Germany
- antagonist registrations and powderfree scanning with universal CAD/CAM systems
- for manufacturing surgical guides for implantology

METAL-BITE® surpasses the requirements of the standard DIN 13903 (Dentistry - Jaw relation recording material). The performance parameters are shown as follows:

**Benefits at a glance:**

METAL-BITE® offers you

- a universal and scannable precision registration material for chairside and labside indications
- a comfortable working time for a stress free registration
- an excellent thixotropic behaviour (excellent standing and flowable character)
- an excellent snap-set (this is a temporally steep, sigmoidal (S-form) phase history during the polymerisation phase)
- a precise detail reproduction
- a high Shore-D hardness to prevent deformation
- an excellent cutting, contouring, easy trimming and easy withdrawal from the mouth.

The METAL-BITE®-cartridge should be stored below 25 °C (78 °F) and horizontally.

**Order information:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Contents: 2 cartridges a 50 ml + 12 mic</th>
<th>Order-No.: MBK1074</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-SI-LINE® METAL-BITE® (dark grey)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Further products, information and catalogue (paper-app ®):
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**Table: Performance parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working time</td>
<td>20&quot;</td>
</tr>
<tr>
<td>Setting time</td>
<td>65&quot;</td>
</tr>
<tr>
<td>Brightness **</td>
<td>118</td>
</tr>
<tr>
<td>Contrast **</td>
<td>66</td>
</tr>
<tr>
<td>Dimensional change after 24 h%</td>
<td>&lt; 0,1</td>
</tr>
<tr>
<td>Elastic</td>
<td>-</td>
</tr>
<tr>
<td>Strain in compression%</td>
<td>~ 0,5</td>
</tr>
<tr>
<td>Shore-D hardness *</td>
<td>40</td>
</tr>
</tbody>
</table>

* 24 h-Value according to DIN 53505 (Testing of rubber - Shore-A and Shore-D hardness test), ** Relative values, internal