



**RADIAL repair patch**

<b>Product name</b>	RAD repair patch																																																																											
<b>Available sizes with ref. nos.:</b>	<table border="0"> <thead> <tr> <th>Type</th> <th>Ref.no.</th> <th>Type</th> <th>Ref.no.</th> </tr> </thead> <tbody> <tr><td>RAD 110 TL</td><td>512 1104</td><td>RAD 152 TL</td><td>512 1520</td></tr> <tr><td>RAD 112 TL</td><td>512 1128</td><td>RAD 155 TL</td><td>512 1551</td></tr> <tr><td>RAD 114 TL</td><td>512 1142</td><td>RAD 156 TL</td><td>512 1568</td></tr> <tr><td>RAD 115 TL</td><td>512 1159</td><td>RAD 160 TL</td><td>512 1609</td></tr> <tr><td>RAD 120 TL</td><td>512 1207</td><td>RAD 162 TL</td><td>512 1623</td></tr> <tr><td>RAD 122 TL</td><td>512 1221</td><td>RAD 165 TL</td><td>512 1654</td></tr> <tr><td>RAD 124 TL</td><td>512 1245</td><td>RAD 168 TL</td><td>512 1684</td></tr> <tr><td>RAD 125 TL</td><td>512 1252</td><td>RAD 175 TL</td><td>512 1757</td></tr> <tr><td>RAD 126 TL</td><td>512 1269</td><td>RAD 180 TL</td><td>512 1805</td></tr> <tr><td>RAD 128 TL</td><td>512 1283</td><td>RAD 182 TL</td><td>512 1829</td></tr> <tr><td>RAD 135 TL</td><td>512 1355</td><td>RAD 184 TL</td><td>512 1843</td></tr> <tr><td>RAD 140 TL</td><td>512 1403</td><td>RAD 185 TL</td><td>512 1850</td></tr> <tr><td>RAD 142 TL</td><td>512 1427</td><td>RAD 185+ TL</td><td>512 1852</td></tr> <tr><td>RAD 144 TL</td><td>512 1441</td><td>RAD 186 TL</td><td>512 1867</td></tr> <tr><td>RAD 145 TL</td><td>512 1458</td><td>RAD 188 TL</td><td>512 1881</td></tr> <tr><td>RAD 146 TL</td><td>512 1465</td><td>RAD 190 TL</td><td>512 1908</td></tr> <tr><td>RAD 150 TL</td><td>512 1506</td><td></td><td></td></tr> </tbody> </table>	Type	Ref.no.	Type	Ref.no.	RAD 110 TL	512 1104	RAD 152 TL	512 1520	RAD 112 TL	512 1128	RAD 155 TL	512 1551	RAD 114 TL	512 1142	RAD 156 TL	512 1568	RAD 115 TL	512 1159	RAD 160 TL	512 1609	RAD 120 TL	512 1207	RAD 162 TL	512 1623	RAD 122 TL	512 1221	RAD 165 TL	512 1654	RAD 124 TL	512 1245	RAD 168 TL	512 1684	RAD 125 TL	512 1252	RAD 175 TL	512 1757	RAD 126 TL	512 1269	RAD 180 TL	512 1805	RAD 128 TL	512 1283	RAD 182 TL	512 1829	RAD 135 TL	512 1355	RAD 184 TL	512 1843	RAD 140 TL	512 1403	RAD 185 TL	512 1850	RAD 142 TL	512 1427	RAD 185+ TL	512 1852	RAD 144 TL	512 1441	RAD 186 TL	512 1867	RAD 145 TL	512 1458	RAD 188 TL	512 1881	RAD 146 TL	512 1465	RAD 190 TL	512 1908	RAD 150 TL	512 1506					
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<b>Fields of application:</b>	<ul style="list-style-type: none"> <li>- for the durable repair of radial tyres of all sizes and uses according to the applicable repair chart.</li> <li>- suitable for all vulcanizing systems with temperatures ranging from 18°C (64 °F) [self-vulcanization] to 150°C (300 °F) [hot-vulcanization]</li> <li>- suitable for tubeless and tube-type tyres</li> </ul>																																																																											
<b>Safety instructions:</b>	<ul style="list-style-type: none"> <li>- not suitable for cross-ply tyres</li> </ul> <p>Do not use in connection with the following TIP TOP products: Vulcanizing Fluid, T2-A/B Solution*, SC 2000, SC 4000</p> <ul style="list-style-type: none"> <li>- RAD repair patches are not released/approved for the repair of tyres on two-wheel vehicles.</li> <li>- Measure the maximum injury size after the preparation of the skive, and select the required RAD repair patch according to the current repair chart.</li> </ul>																																																																											



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<p><b>Application instructions:</b></p>	<ul style="list-style-type: none"> <li>-- Always keep the bonding surfaces clean. Keep the ends of the patch fabric plies clear of the shoulder or central sidewall areas.</li> <li>-- Depending on the kind of application, apply an even coat of TIP TOP Special Cement BL*, TIP TOP Special Cement BL Fast Dry or TIP TOP HR-Solution* to the buffed tyre inside. (Two coats are required, in case of all EM/OTR tyre repairs, or if the textile cord of the tyre has been exposed.)</li> <li>- Observe the respective application instructions.</li> <li>- Observe the cement drying time (refer to the manufacturer specifications).</li> <li>- Remove approx. 25% of the protective foil from the centre outwards, then apply the repair patch to the previously coated tyre inside.</li> <li>- Vigorously stitch over the whole surface of the patch with a thin roller-stitcher starting from the centre outwards, in order to avoid air entrapment. During this operation, gradually remove the rest of the protective foil.</li> <li>- In case of EM/OTR tyre repairs, also press the repair patch, starting from its centre outwards, using the pressure of the TIP TOP Thermopress EM vulcanizing machine without heating up the repair area.</li> <li>- If necessary, (e. g. in case of EM/OTR tyre repairs, or if the inner liner has been removed), laminate the RAD repair patch with TIP TOP SV Cushion Gum or Thermopress MTR Rubber together with MTR Solution* according to the respective repair instructions.</li> <li>- Finally coat the rest of the buffed surface area and the patch edge with TIP TOP Innerliner Sealer*.</li> </ul>
<p><b>Waiting time before putting the tyre into operation</b></p>	<ul style="list-style-type: none"> <li>- Self-vulcanization (only with Special Cement BL*, Special Cement BLx, and OTR-Cement*) - 24 hours (48 hours in case of EM/OTR tyre repairs) at a minimum temperature of 18 °C (64°F)</li> <li>- Hot vulcanization: until the repair area has completely cooled down to ambient temperature.</li> </ul>
<p><b>Vulcanizing temperature</b></p>	<p>18 – 150 °C (64 – 300 °F)</p>
<p><b>Shelf life:</b></p>	<p>5 years</p>
<p><b>Storage conditions:</b></p>	<p>20 ± 5 °C (68 ± 9 °F) DIN 7716, stock in a dry and dark place.</p>
<p><b>Product advantages:</b></p>	<ul style="list-style-type: none"> <li>- suitable for self-and hot-vulcanization</li> <li>- Rayon cord is used as reinforcing material, which is adapted to the dynamic reactions of the tyre.</li> <li>- Gas proof top layer ensures gas impermeability adapted to the tyre</li> <li>- The relatively small assortment of repair patches covers all the repair possibilities.</li> <li>- The damage sizes are defined according to safety considerations.</li> <li>- strong adhesion to the tyre, if TIP TOP Special Cement BL, HR Solution or Thermopress MTR Solution/Rubber are used.</li> <li>- cord ends protected by a special rubber compound and special construction</li> <li>- long shelf life</li> </ul>
<p><b>Further information</b></p>	<p>If system-specific heating solution is used (retreading), tests and approval by REMA TIP TOP GmbH are necessary.</p>

\*Either the trichloroethylene based or the CFC-and aromatic-free versions can be used in the respective cases.

The above mentioned specifications are based on extensive tests and represent standard values. However, they do not contain confirmed properties. TIP TOP reserve the right to carry out improvements and technical development, especially if these improvements do not change the product considerably. Guarantee claims are excluded for any minor changes which are deemed to be insignificant. © REMA TIP