Ceramic Backing Strips

SUMMARY

The use of ceramic backing strips enables welding to be carried out from a single side, with full penetration and reduces (and often removes) the need to grind out and re-weld a root from the reverse side.

The strips are available in a range of configurations for differing applications and resulting weld bead shapes.

TARGET APPLICATIONS

Ceramic backing strips are commonly used in heavy-gauge MIG / GMAW and MMA / SMAW applications, including structural steel fabrication, bridge-building, pressure vessel manufacture, shipbuilding and pipeline seam welding.

The strips have a self-adhesive foil backing, which adheres to the parent material. The butt-weld is lined up with the red indicator line and a small gap left if necessary.

FURTHER INFORMATION

Ceramic backing strips can be used with every weldable material to reduce oxidation and prevent hydrogen inclusion, by providing a heat-reflecting, weld-supporting surface against which to deposit the welding consumable. Gas release gaps reduce porosity by preventing gas-entrapment. By removing the need to grind out and re-weld from the reverse side, and facilitating deposition of root and fill in a single pass, the use of ceramic backing strips can reduce re-work, improve efficiency and provide operational economies.

ARTICLES & ACCESSORIES

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product Description</th>
<th>Part Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PV290806062</td>
<td>CERAMIC BACK VB8062 GROOVE /18M</td>
<td>PV290806315</td>
<td>CERAMIC BACK VB8063-A 15MM DIA /1</td>
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<td>CERAMIC BACK VB8061-5 GROOVE /18M</td>
<td>PV290806715P</td>
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<td>CERAMIC BACK VB8063-A 7MM DIA /24M</td>
<td>PV290806900</td>
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<td>CERAMIC BACK VB8063-A 10MM DIA /24M</td>
<td>PV290829500</td>
<td>MAGNETIC SUPPORT STRIP</td>
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<td>CERAMIC BACK VB8063-A 12MM DIA /18M</td>
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</tr>
</tbody>
</table>

For further information, contact Weldability | Sif technical support on 0870 330 7757 or email service@wholeweld.co.uk
Ceramic Backing

**VB 8061**
- FCAW & GMAW
- Shipbuilding, Marine Plant, Steel Structures, etc. most widely used.

**VB 8061 (5)**
- FCAW & GMAW
- Used the same as VB 8061.

**VB 8062**
- FCAW & GMAW
- On narrow root opening for small back bead forming.

**VB 8063 (A)**
- FCAW & GMAW
- Mainly for back plate. Suitable for Plant, Steel Structures and High Pressure Pipe (ø: 5, 7, 10, 12, 15).

**VB 8064**
- FCAW & GMAW
- Used for X, K open line. Selection of line angles is available (30°, 60°, 90°).

**VB 8067**
- FCAW
- Used for man holes, access holes (R: 100, 150, 172, 200, 250, 300).

**VB 8069**
- FCAW & GMAW
- Suitable for thin plates (6T and thinner). Mainly used for downward welding.