RANGE & ORDERING GUIDE

SIF CeramiBac

CERAMIC WELD BACKING

Support the root when welding from one side.



SUPPORT THE ROOT FROM BEHIND THE JOINT

Self-adhesive aluminium foil holds the ceramic in position while it supports the molten weld pool. Where the welding procedure allows, backing can help achieve full penetration from one side and reduce reverse-side gouging and re-welding.

CHOOSE THE PROFILE TO SUIT THE JOINT

PROFILE	WHEN TO CHOOSE IT
Rounded groove	Straight joints that call for a 12mm rounded recess.
Square groove	Straight joints that call for a 14mm square recess.
Segmented circle	Circular joints suited to the 150mm radius backing set.
Round profile	Where the procedure calls for a solid round profile in 6, 9 or 12mm.

Where it is used

Common applications include structural steelwork, bridges, shipbuilding, pressure vessels and pipeline seams, particularly in heavy-gauge MIG/MAG or MMA work. Match the backing to the approved welding procedure and joint fit-up.

SIF technical datasheet

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PROFILES & PACKS

CeramiBac Ordering Guide

Choose the profile and quote the SIF part number. The straight strips are 600mm long and come in boxes of 20, giving 12 m of backing per box.



Rounded groove



Square groove



Segmented circle



Round profile

SIF PART NO.	PROFILE / PACK	SIZE OR CONTENTS	SUPPLY FORMAT
PV290806100SF	Rounded Groove	12mm wide × 1.2mm deep	20 × 600mm strips
PV290806152SF	Square Groove	14mm wide × 1.3mm deep	20 × 600mm strips
PV290806715SF	Segmented Circle	150mm radius	8 segments per circle
PV290806307SF	Round Profile	6mm diameter	20 × 600mm strips
PV290806310SF	Round Profile	9mm diameter	20 × 600mm strips
PV290806312SF	Round Profile	12mm diameter	20 × 600mm strips
PV29GR03020SF	Groove Sample Pack	Rounded, square and segmented	Mixed profiles
PV29RD03020SF	Round Sample Pack	6, 9 and 12mm diameters	Mixed round profiles

The circular set has a 12mm × 1.2mm groove. Eight segments form one circle. The SIF sheet lists 10 circles per outer box. Check the ordering unit with your supplier.

Fit the backing to the root

Check the joint Confirm the groove, root gap and fit-up against the welding procedure.

Apply the strip Use a clean, dry surface. Centre the backing beneath the joint and press the foil down firmly.

Check the root After welding, remove the backing when cool and inspect the root as specified.

SIF technical datasheet **SIF product range** **Enquire with R H Davey**

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