

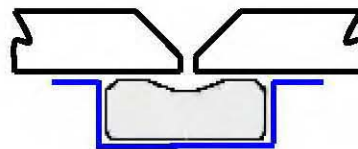
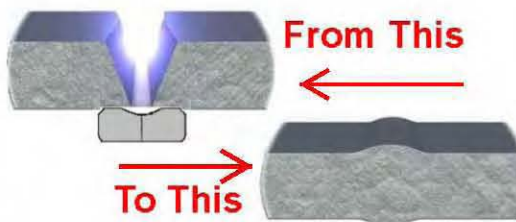
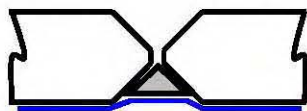
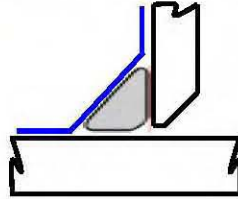
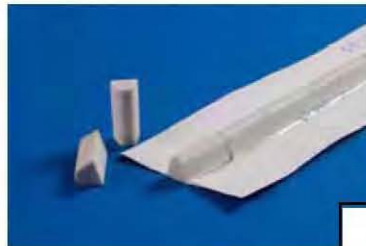
APPLICATION SYSTEMS

CERBACK

No Grind

No Back Chip, Gouge

No Reweld & Rework



Product Description

CERBACK IS A CERAMIC BACKING MATERIAL SUITABLE FOR SHIPBUILDING, MARINE FACILITIES, PLANTS AND OTHER STEEL STRUCTURES AND IS WIDELY USED FOR **ONE SIDE WELDING TECHNIQUE** SUCH AS CO₂, SEMI AUTOMATIC WELDING AND AUTOMATIC WELDING.

Product Feature

CERBACK is a fine ceramic product composed of adequately mixed natural inorganic substances (kaolin, talc, alumina, magnesia etc.) that are heat-treated at high temperatures of 1,350°~1,400°C / span.

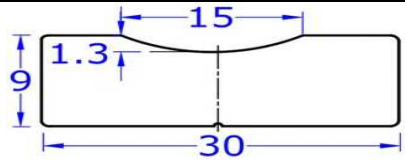
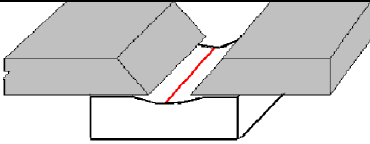
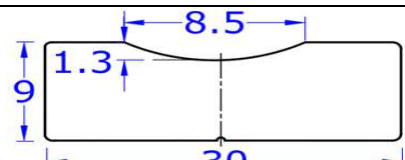
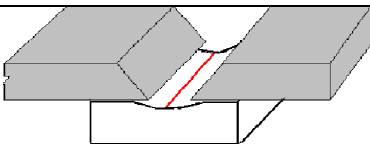
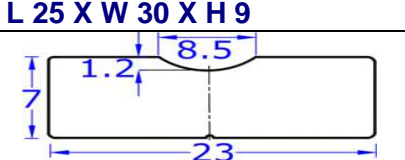
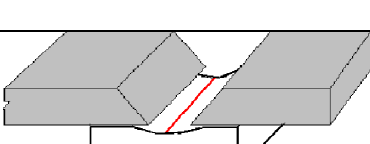
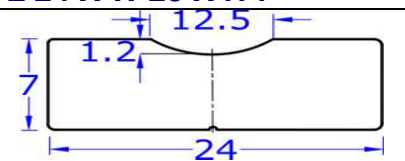
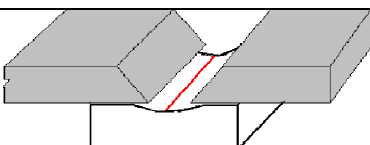
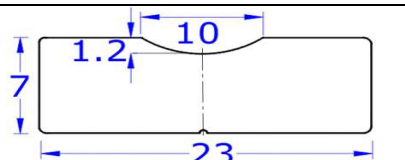
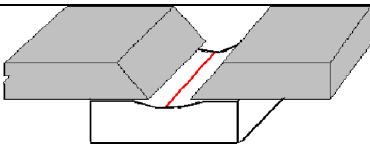
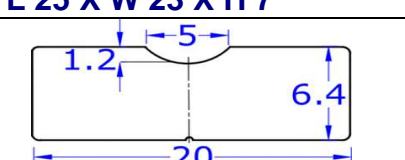
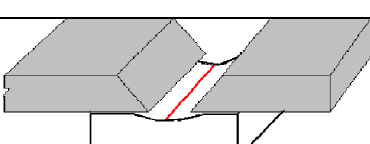
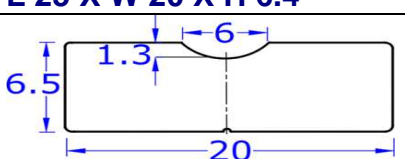
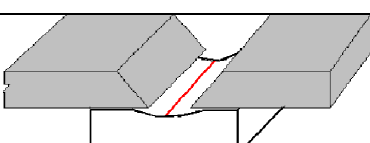
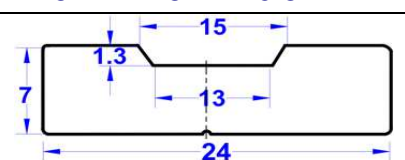
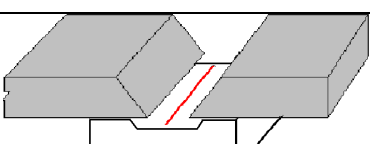
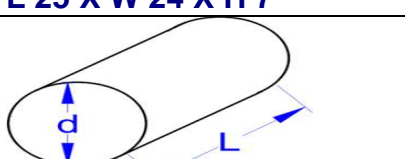
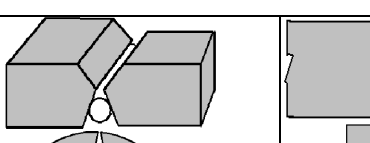
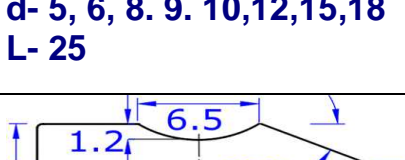
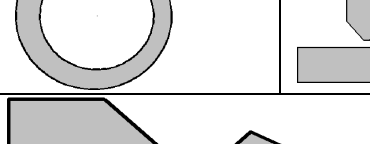
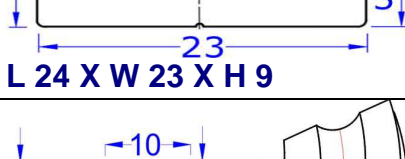
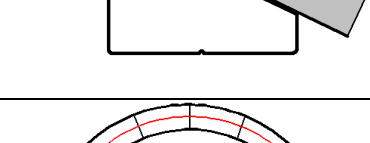
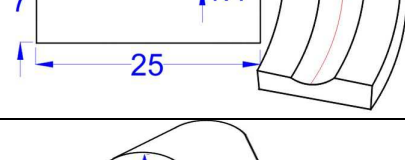
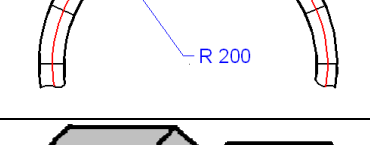
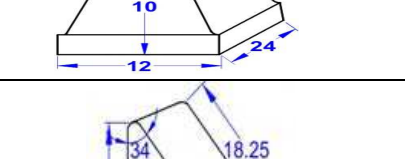
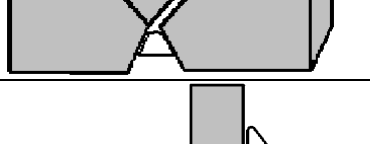
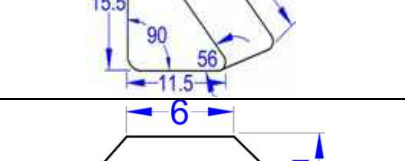
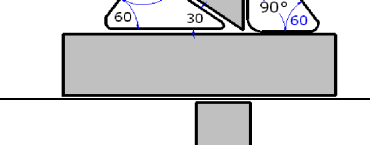
Since **CERBACK** is heat-treated at high temperatures its shock resistance to rapid heating and cooling is excellent (coefficient of thermal expansion is $1.85-2.5 \times 10^{-6}$ at 1,000° C) and maintains superb stability against the high temperatures created good beads on the back side.

CERBACK has excellent characteristics of ceramic such as anti-acid, anti-chemicals and anti-corrosion and also caused no change or reaction of steel at the time of welding.

CERBACK speeds production, improves worker efficiency and reduces costs. It allows one-sided welding for steel, alloys and aluminum of any thickness. The product is composed of ceramic tiles attached to aluminum tape on which specific heat-resistant adhesives are spread. Designed for one-sided welding, it produces smooth and homogeneous back beads even with high electric current. This product is designed to provide welds that are free from porosity and inclusions. The **CERBACK** series can be used with most types of one-sided welding including **GMAW, SMAW, FCAW, GMAW, SAW, MIG, TIG, PLASMA, CO₂, SEG ARC**, Almost all types of welding procedures & for all types of metal.

THIS IS WHAT CERBACK DOES!

- **No need for Back Gouging.**
- **No Back side Grinding required.**
- **Saves Cost / Saves Time / Saves Electricity.**
- **X ray quality back beads.**
- **No scope for rejections, failure to macro/ micro examination & radiography.**
- **Eliminates defects and reworks, improves quality.**
- **Deposit more Weld metal for full penetration .**
- **Minimize Re-work & Re-weld.**
- **Useful for different types of Weld joints, i. e. Single & Double V butt joints, Dished Ends / Shell to Manhole / Hand hole, Tube plate to Shell etc.**
- **Pipe to Pipe / Bend / Reducer welding possible for smaller diameter.**
- **No oxidation, No pollution, No hydrogen inclusion.**
- **Ensures enhanced safety, Comfort & Best work environmental condition to the Welder & Fitter.**
- **Can be welded in any position.**
- **Substantial Increase in productivity.**

Type	Shape	Length (mm)	Strips/Mtr s per Box	Box Wt-Kg	Typical Applications
CERBACK No 1	 L 25 X W 30 X H 9	600	90 Strips 54 Mtrs	38	
CERBACK No 1A	 L 25 X W 30 X H 9	600	90 Strips 54 Mtrs	38	
CERBACK No 2	 L 24 X W 23 X H 7	600	120 Strips 72 Mtrs	33	
CERBACK No 3	 L 25 X W 24 X H 7	600	120 Strips 72 Mtrs	33	
CERBACK No 3A	 L 25 X W 23 X H 7	600	120 Strips 72 Mtrs	33	
CERBACK No 4	 L 25 X W 20 X H 6.4	600	120 Strips 72 Mtrs	333	
CERBACK No 4A	 L 25 X W 25 X H 6.5	600	120 Strips 72 Mtrs	33	
CERBACK No 5	 L 25 X W 24 X H 7	600	120 Strips 72 Mtrs	33	
CERBACK No 6	 d- 5, 6, 8, 9, 10, 12, 15, 18 L- 25	600	200 Strips 120 Mtrs	38	
CERBACK No 7 (One Side Tapered)	 L 24 X W 23 X H 9	600	120 Strips 72 Mtrs	33	
CERBACK No 8 Sizes - R100, R150, R200, R250	 R 200	100 150 200 250	90 Strips 54 Mtrs	36	
CERBACK No 9A	 10, 12, 24	600	200 Strips 120 Mtrs	38	
CERBACK No 9B	 34, 18.25, 56, 90	600	200 Strips 120 Mtrs	38	
CERBACK No 9C	 6, 7, 18.5	600	200 Strips 120 Mtrs	35	



APPLICATION SYSTEMS

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