

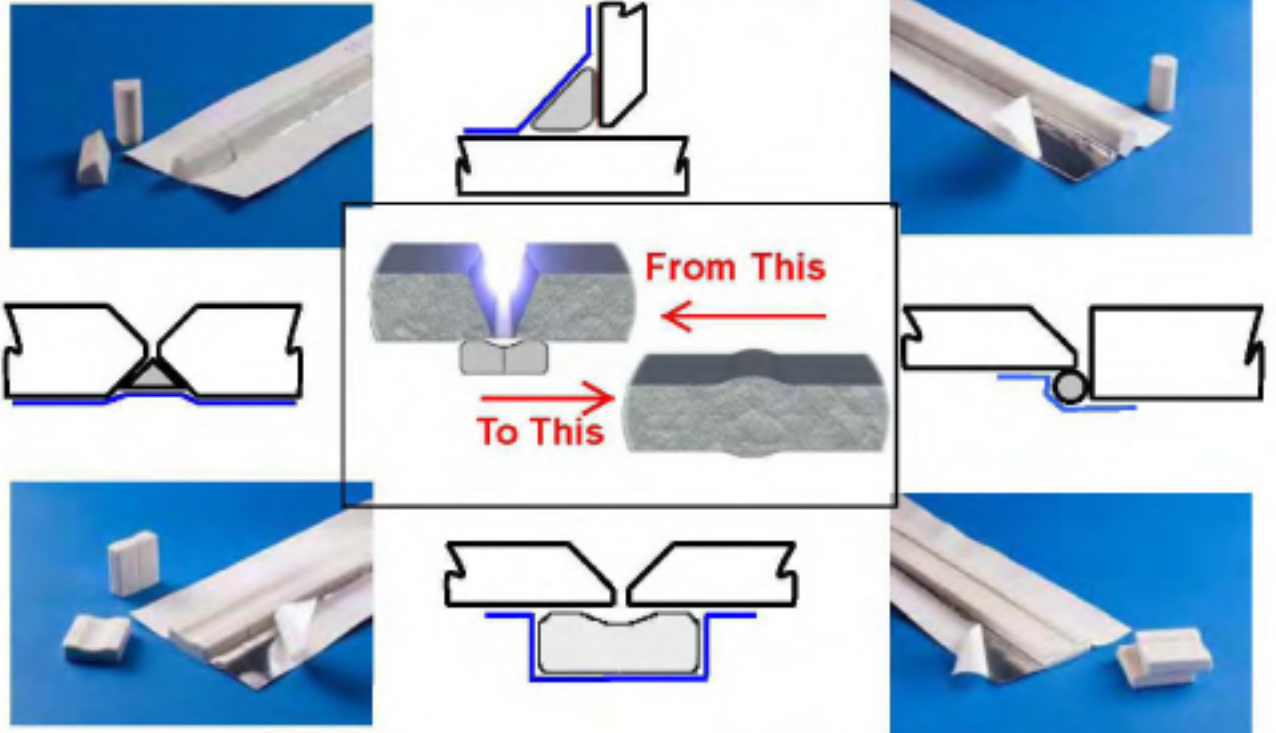
APPLICATION SYSTEMS

CERBACK

No Grind

No Back Chip, Gouge

No Reweld & Rework



CERBACK

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.

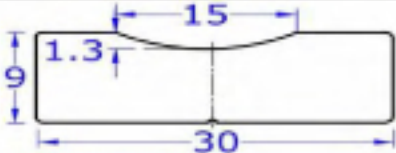
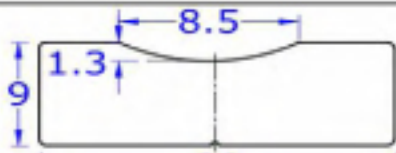
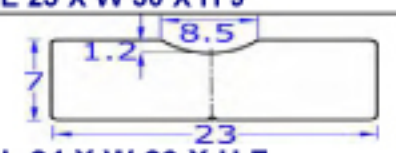
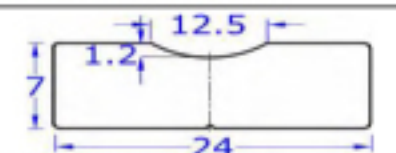

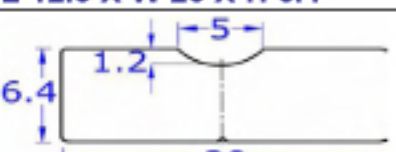
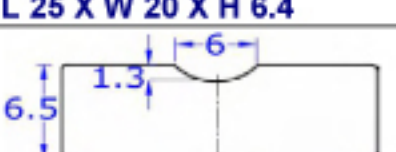
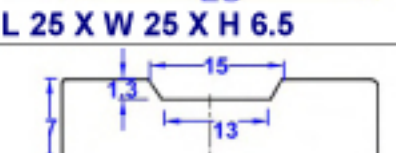

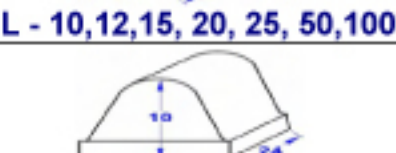

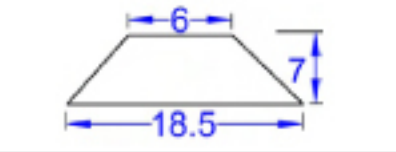
CERBACK speeds production, improves worker efficiency and reduces costs. It allows one-sided welding for steel, alloys and aluminum of any thickness. The product is composed of ceramic tiles attached to aluminum tape on which specific heat-resistant adhesives are spread. Designed for one-sided welding, 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.**

APPLICATION SYSTEMS

Standard packing is 20 strips of 600 mm, 12 meters, in moisture proof Metalised plastic pouch, packed in small paper corrugated box. Six small boxes in one paper corrugated box. i.e. One Box of 72 meter is standard packing for despatch.

CERBACK No 1	 <p>L 25 X W 30 X H 9</p>	<ul style="list-style-type: none"> FOR SAW & ALL WELDING PROCESSES FOR HEAVIER THICKNESS & HIGHER CURRENT FOR MORE PENETRATION
CERBACK No 1A	 <p>L 25 X W 30 X H 9</p>	<ul style="list-style-type: none"> FOR SAW & ALL WELDING PROCESSES FOR HEAVIER THICKNESS & HIGHER CURRENT FOR MORE PENETRATION
CERBACK No 2	 <p>L 24 X W 23 X H 7</p>	<ul style="list-style-type: none"> FOR SMAW / FCAW / GMAW / TIG / MIG & CO2 FOR SMALLER ROOT FOR 3G / 4G POSITION MOST POPULAR FOR BUTT WELDING
CERBACK No 3	 <p>L 25 X W 24 X H 7</p>	<ul style="list-style-type: none"> FOR GTAW / GMAW / TIG / MIG / CO2 / SAW FOR HIGHER CURRENT
CERBACK No 3H	 <p>L 12.5 X W 20 X H 6.4</p>	<ul style="list-style-type: none"> FOR GTAW / GMAW NARROWER ROOT BEAD HOLES PROVIDES EXTRA STEEL WIRE FASTENING
CERBACK No 4	 <p>L 25 X W 20 X H 6.4</p>	<ul style="list-style-type: none"> FOR LESS PENETRATION NARROWER ROOT BEAD FOR LESS PENETRATION
CERBACK No 4A	 <p>L 25 X W 25 X H 6.5</p>	<ul style="list-style-type: none"> FOR LESS PENETRATION NARROWER ROOT BEAD FOR LESS PENETRATION
CERBACK No 5	 <p>L 25 X W 24 X H 7</p>	<ul style="list-style-type: none"> FOR SAW / SMAW / FCAW / GMAW & ALL WELD PROCESSES SPACE FOR SLANG TO GO & MORE PENETRATION GOOD ROOT BEAD
CERBACK No 6	 <p>L - 10,12,15, 20, 25, 50,100</p>	<ul style="list-style-type: none"> FOR FILLET JOINT FOR SMAW / FCAW / GMAW DOUBLE 'U' OR 'J' JOINT Dia mm - 6, 8, 9, 12, 15, 20 & 25
CERBACK No 9A		<ul style="list-style-type: none"> FOR FILLET JOINT FOR SMAW / FCAW / GMAW FOR DOUBLE 'V' JOINT
CERBACK No 9B		<ul style="list-style-type: none"> FOR FILLET JOINT FOR SMAW / FCAW / GMAW FOR DOUBLE 'V' JOINT
CERBACK No 9C		<ul style="list-style-type: none"> FOR FILLET JOINT FOR SMAW / FCAW / GMAW



APPLICATION SYSTEMS

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