



**EMERGENCY
REFRACTORY
SOLUTIONS**
FOR HOT REPAIRS

HARBISONWALKER INTERNATIONAL'S (HWI) EXPANDED HOT REPAIR MATERIAL STOCKING PROGRAM

Glassmakers are often faced with pushing their furnaces “just a little bit longer” or with an unexpected repair. HWI is committed to having the solutions needed for hot repairs at any given time, 24/7/365.

In addition to the many products we hold in inventory at our South Shore, KY manufacturing facility, we are now stocking the following materials at our **Richmond, CA** and **Rahway, NJ** distribution center (DC) locations.

ITEM#	BRAND	SIZE/SHAPE
114207	ZIRMUL 160 PATCH	IN 55 LB / 25 KG Bag
115364	JADE 52 XL	18 X 12 X 3 Straight
115366	JADE 52 XL	18 X 12 X 4 Straight
85232	ZIRMUL	18 X 12 X 3 Straight
89192	ZIRMUL	9 X 4 1/2 X 3 Straight
89669	ZIRMUL	12 X 6 X 3 Straight
31814	VISIL	12 X 6 X 3 Straight
31877	VISIL	18 X 6 X 3 Straight
49400	CROWNSEAL	IN 55 LB / 25 KG Bag

MELT LINE OVERCOAT

Whether it is an existing or new furnace, HWI has the effective solutions to sidewall block back-up (also known as “Overcoats”). Products available for this application are designed to have excellent thermal shock resistance for ease of installation while having the ability to withstand glass corrosion in service.

CROWN MONOLITHIC OVERCOAT

Whether patching rat-holes or needing a new self-supporting crown, HWI has a full line of products that can coat or seal melter, refiner or regenerator crowns. These monolithic materials are available in various package sizes for efficient installation.

SUPERSTRUCTURE REPAIR

In some instances, it is necessary to replace a burner block, a breast wall block, or to patch a hole using standard size bricks. In addition to material considerations like thermal shock resistance, delivery and availability of pre-formed shapes is critical.

Applications

Brand	Glass Contact Repair	Crown Repair	Superstructure Repair	Soda-Lime Repair	Wool C-Glass Repair	Shipping Condition	Description	%	Al ₂ O ₃	SiO ₂	ZrO ₂	Cr ₂ O ₃	P ₂ O ₅
CROWNSEAL		X		X		Dry	Fused silica patching monolithic		0.4	98.6	-	-	-
HORIZON DC			X	X		Shaped	Chemically bonded AZS shape		42.3	21.1	34.9	-	-
JADE® 50 DCX	X		X	X	X	Shaped	Chemically bonded chrome-alumina shape		36.3	5.3	-	54.9	-
JADE® 52 XL	X		X	X	X	Brick	Chemically bonded chrome-alumina brick		42.6	1.6	-	52.5	1.7
SHOTKAST® FS		X		X		2-Component	Fused silica shotkast castable		0.2	99.4	-	-	-
SHOTKAST® TAB		X		X		Wet	Hlgh alumina shotkast castable		96.5	0.05	-	-	3.2
TZ® 150 PATCH		X	X	X	X	Wet	Zircon bearing patching monolithic		0.9	32.2	62.2	-	4.5
VISIL®		X		X		Brick	Fused silica brick		0.7	98.8	-	-	-
VISIL® PATCH		X		X		Dry	Fused silica patching monolithic		0.4	99.4	-	-	-
VISION® TILE	X			X		Brick	Sintered AZS brick		55.6	14.3	26.0	-	-
ZIRMUL®	X		X	X	X	Brick	Zirconia-mullite brick		70.0	10.4	19.3	-	-
ZIRMUL® 160 PATCH				X	X	Wet	Zirconia-mullite patching monolithic		56.3	12.5	25.9	-	4.5

Compositions

LIGHTNING-FAST DELIVERY THE PRODUCTS YOU NEED. WHEN YOU NEED THEM.

HWI offers a unique combination of a broad product offering, proven quality, experienced personnel, and local service from our vast distribution network. This unique network offers a full service refractory distribution system that covers North America. With strategically placed DCs, HWI maintains inventory of high quality refractory products, allowing for faster delivery of core products anywhere they're needed.

For many years these sourcing centers have been utilized by various refractory purchasers to lower the inventory they must carry while still minimizing the risk of not being prepared for a hot repair or emergency situation or even staging of materials for a large project. Every DC carries commonly used materials like Superduty Fireclay (KX-99, CLIPPER DP), Insulating Firebrick (GREENTHERM) and Ceramic Fiber (INSBOARD, INSWOOL).

The HWI DCs can be reached 24 hours a day, 7 days a week, 365 days a year.

Contact your Field Sales Representative or your local DC to find out how HWI can be your "insurance policy" for your refractory materials. Find your closest DC by calling (800) 887-5555 or by visiting <http://thinkhwi.com/distribution-centers/>

