



CASE STUDY:

DRI-VIBE® 434A USED WITH EVS INSTALLATION TECHNOLOGY IN CAR BOTTOM FURNACE HEARTH

EQUIPMENT

- Car bottom furnace hearths of various sizes, typically up to 25 m x 5 m (approximately 80 ft x 15 ft)

PRODUCTS

- DRI-VIBE® 434A: 55% alumina, moisture-free refractory with low temperature heat-set bond for the hearth

APPLICATION

- The customer used DRI-VIBE® 434A hearth refractory in conjunction with castable or plastic rammed perimeter for containment.

INSTALLATION

- DRI-VIBE® 434A was installed into the hearth in 150 mm (6.0 in) loose layers and compacted using a 1.8 m x 1.2 m (6 ft x 2.5 ft) vibrating sled with our Electric Vibration System (EVS) designed and built by Allied Mineral Products.

RESULTS

- No contained moisture allows the lining to be heated to operating temperature at an accelerated rate compared to castable option.
 - This saves time and energy.
- Campaign life of DRI-VIBE® 434A has proven to be equal to or better than competitive material with 50% to 60% alumina refractories.



DRI-VIBE® 434A being dispensed from bulk bag.



Completed DRI-VIBE® 434A installation. Ready for final heat-up.

Allied Mineral Products, Inc. supplies an entire line of monolithic refractories for the metals industry. For more information or a complete evaluation of your refractory requirements, please contact your local Allied representative.

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