



CASE STUDY:

MATRIKOTE 90 AC IN 2.2 T (2 MT) ALUMINUM CORELESS FURNACE

EQUIPMENT

- 1,000 KW 200 HZ 2.2 T (2 MT) CLF

PRODUCT

- MATRIKOTE 90 AC

APPLICATION

- A new aluminum recycling plant that melts various types of aluminum scrap and cast ingots
- Operating temperature is 1418°F (770°C)
- Operates 6 days a week at 3 shifts per day

INSTALLATION

- After removing the form, the refractory surface was cleaned with a smooth wire brush and air pressure for a better result when applying the coating.
- MATRIKOTE 90 AC was applied to the warm refractory surface for faster drying. Water addition was 15%.
- A second layer of MATRIKOTE 90 AC was applied to perfect the surface. Water addition was at approximately 18%
- 48.5 – 50.7 lb. (22 – 23 kg) of material was used to paint the surface of the newly installed furnace

RESULTS

- MATRIKOTE 90 AC performed very well
- Installation was easy, attributed to warm refractory surface
- Customer is satisfied and plans to use MATRIKOTE 90 AC at each weekly shutdown to wash the refractory surface after cleaning.



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Allied Mineral Products, LLC 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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