



## CASE STUDY

### DRI-VIBE® DEFENDER 2 PAINTED ON FORM TO INSTALL DRI-VIBE® 975A

#### EQUIPMENT

Induction furnace without core: 1,500 kg, 800 kW, 1000 Hz

#### PRODUCT

DRI-VIBE® Defender 2 painted on form for DRI-VIBE® 975A installation.

#### APPLICATION

Promote proper formation of the hot face during sintering and achieve increase campaign life for various steel alloys

#### INSTALLATION

DRI-VIBE® DEFENDER mixed with 30% per pound of water. For example, Four kgs of DRI-VIBE® DEFENDER 2 mixed with 1.2 kg (1.2 lt) of water. It was painted on with a roller for best uniformity and distribution of the refractory paint.

#### RESULTS

- 1 kg (1,000 grams) of DRI-VIBE® DEFENDER 2 equaled to 3 coats of Paint and uniformity desired over the form.
- Product was mixed in batches of approximately 330 grams with 99 gr (99 ml) of water, as instructed by the specification sheet.
- Customer reported an increase of heats in an 1500 kg oven. Heats went from an average of 90 heats to an average of 120 heat in the first trial. Coating was replaced for prevention. General refractory lining wear was at 30%
- Next trial with DRI-VIBE® DEFENDER 2 reported a campaign life of 130-140 heats, depending on the type of alloys melted. When alloys with magnesium were melted, the coat last for fewer heats but always over 130 heats at the end of the trial.

Allied Mineral Products, Inc. provee una línea completa de refractarios monolíticos para la industria azucarera. Para más información y una evaluación completa de sus requerimientos refractarios, por favor contacte a su representante de Allied.



Application of the first coat of DRI-VIBE® DEFENDER 2 with roller. Mix of approximately 330 grams of powder for 99 grams of water



Left -Application of second quote / batch of DRI-VIBE® DEFENDER 2. Mix of approximately 330 grams of powder for 99 grams of water

Right - Form painted and drying for next day installation of DRI-VIBE® 975A