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EST. 1927

TECHNICAL DATA SHEET

REELI-KLEAN®

REELI-KLEAN® IS A UNIQUE LINE OF MULTI-PURPOSE MELTING PREPARATIONS FOR ALUMINUM, COPPER, AND ZINC ALLOYS.

The Reeli-Klean® line includes a broad range of products, each of which has exceptional properties for cleansing and removing impurities from molten non-ferrous alloys. Environmental and people friendly, Reeli-Klean melt preparations minimize smoke opacity, annoying odor, and stack emissions. They are easy to use and have universal application in nearly all types of furnaces. These products reduce metal dross by promoting thorough separation of metal and oxides in dross. Slag buildup is softened, resulting in reduced cleaning costs and extended furnace life.

GENERAL DIRECTIONS FOR USE

MELT

Typical quantity of Reeli-Klean® required is 0.1% of the material's weight to be charged. Very clean charge material requires less product, very dirty charge material requires a little more. Evaluation of processed dross can be used as an indicator. Fast meltdown minimizes generation of oxides. Always wait until a liquid heel is present before adding product to crucible. The above directions are very general and attempt to cover the large number of different furnace types and layouts. A specific user's plan can be supplied upon request.

MELT TRANSFER

Quantity of Reeli-Klean® required to diminish contained and generated contaminants during transfer of melt will vary depending on turbulence and cleanliness of melt. A dosage of 0.1% of metal transfer weight can be used as an initial quantity. Evaluation of processed dross can be used as an indicator. Best results are obtained when Reeli-Klean® is added at regular intervals to the metal stream. Continued overflow diminishes the buildup of metal foam. Prior to removal, vigorously stir the dross to allow any entrapped metal to return to the melt. Remove dry, low metallic, fast cooling dross with preheated tool. Specific information can be found on individual technical data sheets.

FURNACE CLEANING

Regular use of Reeli-Klean® as a melting preparation diminishes the need for separate, intensive wall cleaning operations. When rapid results are needed, Reeli-Klean® can be applied directly to the oxide buildup in a reverbatory furnace. After a reasonable soaking time to soften the buildup, the walls can be easily scraped. Cleaning plans specific to the condition of and type of furnace can be supplied on request.

REELI-KLEAN®
AL-510 • AL-516 • AL-542 • AL-5048 • AL-5054 • CU-711

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TECHNICAL DATA SHEET

REELI-KLEAN® AL-510

REELI-KLEAN® IS A UNIQUE LINE OF MULTI-PURPOSE MELTING PREPARATIONS FOR ALUMINUM, COPPER, AND ZINC ALLOYS.

AL 510

FEATURES & BENEFITS

• MELT QUALITY

Reeli-Klean® AL-510 offers a simple alternative treatment to melts in crucibles, ladles and dip-out wells. In addition, it is very effective as a non-polluting, oxide gathering cover in combination with rotary impeller technology.

• SCOPE OF APPLICATION

Reeli-Klean® AL-510 Melt Treatment Product is suitable for application as a melting preparation in furnaces commonly used for melting aluminum. Reduction of metallic content in drosses generated on melts and at transfer points is another effective application of Reeli-Klean. This product can also be used to soften existing oxide buildup and simplify removal from furnaces of ladles. Reeli-Klean® AL-510 is suitable for use in all the major casting processes. Reeli-Klean® AL-510 is intended for use with non-modified or sodium (Na) modified aluminum-silicon alloys. A partial list includes alloy 319, 355, 356, 357, 360, 380, 383, and 390. Alloys from certain other series can be melted with Reeli-Klean®. All Reeli-Klean® products are multiple purpose.

REELI-KLEAN®
AL-510 • AL-516 • AL-542 • AL-5048 • AL-5054 • CU-711

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REELI-KLEAN® AL-516

REELI-KLEAN® IS A UNIQUE LINE OF MULTI-PURPOSE MELTING PREPARATIONS FOR ALUMINUM, COPPER, AND ZINC ALLOYS.

AL
516

FEATURES & BENEFITS

• MELT QUALITY

Reeli-Klean® AL-516 offers possibility of effective removal of contaminants from melt and is an excellent furnace conditioning melt treatment. Very effective as a non-polluting, oxide gathering cover in combination with rotary impeller technology.

• SCOPE OF APPLICATION

Reeli-Klean® AL-516 Melt Treatment Product is suitable for application as a melting preparation in furnaces commonly used for melting aluminum. Reduction of metallic content in drosses generated on melts and at transfer points is another effective application. This product can also be used to soften existing oxide build-up and simplify removal from furnace or ladles. Reeli-Klean® AL-516 is suitable for use in all major casting processes and is intended for use with non-modified or sodium (Na) modified aluminum-silicon alloys. A partial list includes alloy 319, 355, 356, 357, 360, 380, 383 and 390. Alloys from certain other series can be melted with Reeli-Klean AL-516. All Reeli-Klean products are multi-purpose.

REELI-KLEAN®
AL-510 • AL-516 • AL-542 • AL-5048 • AL-5054 • CU-711

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REELI-KLEAN® AL-542

REELI-KLEAN® IS A UNIQUE LINE OF MULTI-PURPOSE MELTING PREPARATIONS FOR ALUMINUM, COPPER, AND ZINC ALLOYS.

AL
542

FEATURES & BENEFITS

• MELT QUALITY

Reeli-Klean® AL-542 minimizes loss of strontium (Sr) while achieving maximum cleansing activity during meltdown. Excellent product for processing ship from machining operations. Reeli-Klean® AL-542 can be injected.

• SCOPE OF APPLICATION

Reeli-Klean® AL-542 Melt Treatment Product is suitable for application as a melting preparation in furnaces commonly used for melting aluminum. Reduction of metallic content in drosses generated on melts and at transfer points is another effective application. This product can also be used to soften existing oxide build-up and simplify removal from furnace or ladles. Reeli-Klean® AL-542 is suitable for use in all major casting processes and is intended for use with non-modified or strontium (Sr) modified aluminum-silicon alloys. A partial list of the most popular alloys includes alloy 319 and 356. Other 300 series alloys and alloys from certain other series can be melted with Reeli-Klean® AL-542. All Reeli-Klean products are multi-purpose.

REELI-KLEAN®
AL-510 • AL-516 • AL-542 • AL-5048 • AL-5054 • CU-711

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REELI-KLEAN® AL-5048

REELI-KLEAN® IS A UNIQUE LINE OF MULTI-PURPOSE MELTING PREPARATIONS FOR ALUMINUM, COPPER, AND ZINC ALLOYS.

AL 5048

FEATURES & BENEFITS

• MELT QUALITY

Reeli-Klean® AL-5048 offers possibility of effective removal of contaminants from melt and is an excellent furnace conditioning melt treatment. Very effective as a non-polluting, oxide gathering cover in combination with rotary impeller technology.

• SCOPE OF APPLICATION

Reeli-Klean® AL-5048 Melt Treatment Product is suitable for application as a melting preparation in furnaces commonly used for melting aluminum. Reduction of metallic content in drosses generated on melts and at transfer points is another effective application. This product can also be used to soften existing oxide build-up and simplify removal from furnace or ladles. Reeli-Klean AL-5048 is suitable for use in all major casting processes and is intended for use with non-modified or sodium (Na) modified aluminum-silicon alloys. A partial list includes alloy 319, 355, 356, 357, 360, 380, 383 and 390. Alloys from certain other series can be melted with Reeli-Klean AL-5048. All Reeli-Klean products are multi-purpose.

REELI-KLEAN®
AL-510 • AL-516 • AL-542 • AL-5048 • AL-5054 • CU-711

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REELI-KLEAN® AL-5054

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AL 5054

FEATURES & BENEFITS

• MELT QUALITY

Reeli-Klean® AL-5054 offers possibility of effective removal of contaminants from melt and is an excellent furnace conditioning melt treatment. Very effective as a non-polluting, oxide gathering cover in combination with rotary impeller technology.

• SCOPE OF APPLICATION

Reeli-Klean® AL-5054 Melt Treatment Product is suitable for application as a melting preparation in furnaces commonly used for melting aluminum. Reduction of metallic content in drosses generated on melts and at transfer points is another effective application. This product can also be used to soften existing oxide build-up and simplify removal from furnace or ladles. Reeli-Klean AL-5054 is suitable for use in all major casting processes and is intended for use with non-modified or sodium (Na) modified aluminum-silicon alloys. A partial list includes alloy 319, 355, 356, 357, 360, 380, 383 and 390. Alloys from certain other series can be melted with Reeli-Klean AL-5054. All Reeli-Klean products are multi-purpose.

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AL-510 • AL-516 • AL-542 • AL-5048 • AL-5054 • CU-711

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REELI-KLEAN® CU-711

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CU 711

FEATURES & BENEFITS

• MELT QUALITY

Reeli-Klean® CU-711 cleanses melt by binding contaminants and insures a consistently higher standard of melt quality. Melt purification process is started during meltdown. Reeli-Klean® CU-711 improves metal fluidity, casting integrity, and mechanical properties. It is also very effective as a non-polluting, oxide gathering cover.

• DROSS QUANITY AND METALLIC CONTENT

Reeli-Klean® CU-711 produces a fast forming, dry, low metallic dross with low exothermal heat. Metallic content is stabilized. Skimmed dross cools quickly in the transport pan. More metal is retained in bath.

• SPECIAL FEATURES

Reeli-Klean® CU-711 offers the possibility of cleaning aluminum-bronze and manganese-bronze alloys.

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