



REELI-KLEAN®

Product Description

Reeli-Klean® is a line of multiple purpose melting preparations for aluminum, copper and zinc alloys. The line has 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. Are all 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 weight of the material to be charged. Very clean charge material requires less, very dirty, 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, intensively 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.

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REELI-KLEAN® AL-510 FEATURES

MELT QUALITY: Offers possibility of simple alternative secondary treatment to melts in crucibles, ladles and dip-out wells. 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 a transfer points is another effective application of *Reeli-Klean*. This product can also be used to soften existing oxide build-up 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 AL-510*. Like all *Reeli-Klean* products, it is multiple purpose

REELI-KLEAN® AL-516 SPECIAL FEATURES

MELT QUALITY: 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-KleanAL-516* is suitable for use in all the major casting processes. *Reeli-Klean AL-516* 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*. Like all *Reeli-Klean* products, it is multi-purpose.

REELI-KLEAN® AL-542 SPECIAL FEATURES

MELT QUALITY: Minimizes loss of strontium (Sr) while achieving maximum cleansing activity during meltdown. Excellent product for processing ship from machining operations. 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 the major casting processes. *Reeli-Klean AL-542* 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*. Like all *Reeli-Klean* products, it is multi-purpose.

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REELI-KLEAN® AL-5048 SPECIAL FEATURES

MELT QUALITY: 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 the major casting processes. *Reeli-Klean AL-5048* 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*. Like all *Reeli-Klean* products, it is multi-purpose.

REELI-KLEAN® AL-5054 SPECIAL FEATURES

MELT QUALITY: 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 the major casting processes. *Reeli-Klean AL-5054* 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*. Like all *Reeli-Klean* products, it is multi-purpose.

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