



ACMETM
FOUNDRY FLUX COMPANY



ALDEGAS (DEGASSING AGENT)



ALDEGAS range of products are used for degassing and degassing cum grain refining of aluminium and its alloys. During the melting of aluminium and its alloys, the hydrogen gas is picked up by the melt resulting into gas porosity in the cast products. It is necessary to remove this hydrogen gas from the molten metal before the casting operation. ALDEGAS addition removes this picked up hydrogen from the metal.

BENEFITS: ALDEGAS range of products –

- ☐ Remove hydrogen gas and non-metallic impurities.
- ☐ Do not require expensive and bulky equipment like in case of chlorination but a simple plunging tool is enough to plunge the tablets.
- ☐ Improve mechanical properties.

APPLICATION DETAILS: Select the right grade from the table given below:

Product	Function	Colour	Alloy	Application Rate (%)	Remarks
ALDEGAS-2	Degassing	Green	All	0.15 – 0.2	A good degassing potential.
ALDEGAS-7	Degassing cum Grain Refining	Blue	All	0.15 – 0.2	A standard product for most applications.
ALDEGAS-40	Degassing	Violet	Al. Alloys except Al. Mg. Alloys	0.2 – 0.25	Less fumes and cleaning action.
AF – 4	Removal of Magnesium	Pink	All	0.5% -1% for every 0.1% of Mg.	Application will depend on the starting level of Magnesium.
AF – 7	Removal of Na, Ca.	Green	Al. Mg. and hypereutectic Al. Si. Alloys	0.2 – 0.6%	Application rate will depend on Na or Ca present in the melt.
ALDEGAS-NC	Degassing cum Grain Refining	Violet	Al. Alloys except Al. Mg. Alloys	0.2 – 0.25	Degassing by Chlorine & Nitrogen.

- ☐ Plunge the tablets to the bottom of the melt using a refractory coated plunger. Ensure the metal temperature is falling during the degassing operation and continue degassing till the bubbling ceases.
- ☐ Apply the tablets in two or more successive operations rather than in a single operation to have more efficient degassing.
- ☐ When separate grain refining agents like ALREFINE are used, perform degassing after grain refining to get better dispersion of nuclei.
- ☐ While in case of Al-Si hypereutectic & eutectic alloys degas before modification treatment, in case of hypereutectic Al-Si alloys degas before and after grain refining treatment.
- ☐ In case of AF-4 and AF-7, treat the metal at the maximum possible temperature to have efficient action.

PACKING:

- ☐ ALDEGAS tablets are available in 50 gms, 100 gms, 250 gms and 500 gms packed in polylined aluminium foil and supplied in corrugated boxes of 12.5 Kgs and 25 Kgs.

Manufactured by:
ACME FOUNDRY FLUX COMPANY
(An ISO 9001-2008 Certified Company)

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