

PRIMARY & SECONDARY

ALUMINIUM



Production Since 1958

The Company

Founded in 1958, JODOVIT Chemical Group is an Italian manufacturer specialized in chemical auxiliaries for the foundry industry.

With more than 65 years of experience, the company develops and produces innovative solutions covering every stage of molten metal treatment and casting operations.



R&D Lab

All products are developed and manufactured in-house at our production facility in Italy. Continuous research, laboratory testing and quality control ensure reliable and consistent performance for every application.



Technical Support

Beyond products, JODOVIT provides technical assistance directly at customers' plants. Our specialists support process optimization, product selection and application methods to improve melt quality, productivity and operational efficiency.



What is it Important?

Molten metal treatment is essential to remove impurities, optimise alloy chemistry and reduce dissolved hydrogen before casting. Each treatment stage improves melt cleanliness, stabilises the process and helps achieve consistent casting quality.



1

SCOREX SLAG REMOVAL

Promotes slag separation and dross agglomeration for a cleaner melt and higher metal recovery.

2

TABLEX ALLOY CORRECTION

Precise addition of alloying elements to achieve the required chemical composition.

3

ELIMINAX ELEMENT REMOVAL

Selective removal of unwanted elements to improve alloy purity and metal quality.

4

DEGAFFEX DEGASSING

Efficient hydrogen removal to reduce porosity and improve casting quality.

5

PULEX FURNACE CLEANING

Removes oxides and deposits from furnace walls, improving efficiency and extending refractory life.

6

VERNIX-SHELL:X PROTECTIVE COATINGS

Protects tools and refractory surfaces from corrosion and metal attack during the process.

What is SCOREX?

SCOREX fluxes are formulated to promote rapid slag separation and dross agglomeration, improving metal recovery, reducing oxide inclusions and increasing overall melt cleanliness. Suitable for both primary and secondary aluminium processing, they contribute to a stable and efficient refining operation.



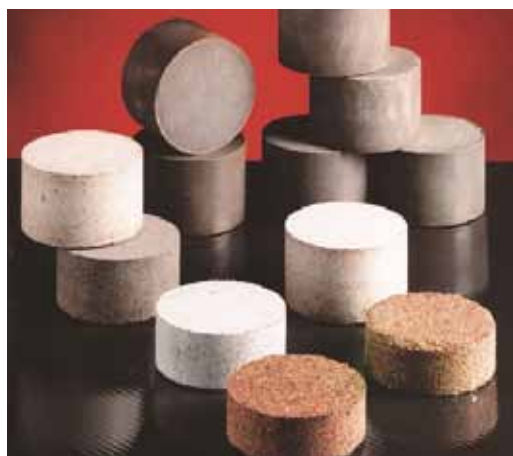
Product selection guide

TEMPERATURE	GRANULAR	POWDER
 Standard temperature 650-720°C Medium-High temperature 700-750°C Very High temperature 750-780°C	 Scorex GR 200 Scorex GR 600 Scorex GR 170	 Scorex 96 Scorex 708 Scorex 22

 SPECIAL APPLICATIONS	SCOREX R1	Aluminium scrap remelting
	SCOREX MG-G	Magnesium scrap remelting

Precise control of alloy chemistry is essential to achieve the required metal quality and consistent casting performance. JODOVIT provides solutions to add the right alloying elements and to selectively remove unwanted elements from the melt.

TABLEX



TABLEX tablets offer a fast and precise method for adjusting alloy chemistry during the aluminum melting process. Their controlled dissolution guarantees the exact addition of alloying elements, minimizing oxidation losses and improving process repeatability.

ELIMINAX



ELIMINAX products are formulated to remove unwanted elements from molten aluminum during the refining process. They improve alloy chemistry, increase metal quality, and help achieve the required chemical specifications while maintaining a stable and efficient refining operation.

add alloying
elements



remove
unwanted
elements

Available alloying elements

Cr	Fe	Ni	Ti
Cu	Mn	Zn	Pb

Available products

ELIMINAX CA/NA	Selective removal of Calcium and Sodium.
ELIMINAX ALK	Selective removal of alkali elements.
ELIMINAX MG	Selective removal of Magnesium.



DEGAFFEX

DEGAFFEX tablets are developed to remove dissolved hydrogen from molten aluminium. Their controlled reaction promotes efficient degassing, reducing gas porosity and improving internal metal quality and casting reliability.

DEGAFFEX AE

DEGAFFEX AE/3

Standard tablet

Self-sinking tablet



PULEX

PULEX products are formulated to remove slag, corundum and oxide build-up from furnace walls and working surfaces. Regular cleaning improves heat transfer, reduces maintenance requirements and helps extend furnace service life.

PULEX 325

PULEX 325 P

Weekly furnace cleaning compound

Dosing for routine furnace cleaning



THE ADVANTAGES

- LOWER HYDROGEN CONTENT
- REDUCED POROSITY
- IMPROVED CASTING QUALITY
- SLAG & CORUNDUM REMOVAL
- BETTER HEAT TRANSFER
- LONGER FURNACE LIFE



SHELL: X BN 33		VERNIX A3		VERNIX AL 277
				
Water-based boron nitride coating with excellent release and lubricating properties. Ideal for metal, ceramic, and aluminum-titanium surfaces.		Water-based coating for shells, refractory materials and iron tools in direct contact with molten non-ferrous alloys.		Insulating coating in water with high adhesive power for tools, metal or refractory parts used in contact with molten light alloys.
BRUSH APPLICATION	SPRAY APPLICATION	BRUSH APPLICATION	SPRAY APPLICATION	BRUSH/SPRAY APPLICATION
60-65 °Baume 40-50 °Baume		45-55 °Baume	35-50 °Baumé	Dilution 1:1 with water(by weight)

Complete Surface Protection for Molten Aluminium Processing

