

## MODIFYING FLUXES FOR AL/SI 7-13% ALLOYS

The introduction of sodium into molten Al-Si alloys permit to modify the solidification structure of eutectic that passes from lamellar to fibrous with important improvement in mechanic characteristics.  
In particular the tensile strength and the elongation increase and, in the end, the tenacity of the alloy.

PROTECME supply different ranges of materials for the modification treatment, based on metal sodium and based on sodium salt. The following table lists the most common products.

PRODUCT	APPEARANCE	COLOUR	APPARENT MELTING POINT °C
<i>ITALPURO AS/A1</i>	Crystalline powder	White	760°, liquid dross
<i>ITALPURO AS/B</i>	Crystalline powder	White	Dry dross
<i>ITALPURO AS/6</i>	Crystalline powder	White	670°, liquid dross
<i>ITALPURO AS/7P/6</i>	Tablets	White	650°, liquid dross
<i>ITALPURO AS/7P/9</i>	Tablets	White	650°, dry dross
<i>PROSIL</i>	Flakes	White	760°, liquid dross
<i>PROSIL B</i>	Flakes	Blue	Dry dross

Others products are available for particular situation.

PROTECME can produce new product able to satisfy the particular requirements of foundries.