

## THERMIC FGP

### Heat Treatment

#### DESCRIPTION

**THERMIC FGP** is a synthetic soluble oil used diluted in water for mass quenching. Free of nitrite, it allows to obtain, according to the concentration in use, accelerated cooling rates between water and oil.

#### RECOMMENDED APPLICATIONS

**THERMIC FGP**, usually used after mass heating, can be diluted between 10% and 25%, according to the grade of steels to treat. The recommended temperature of the tank is between 25°C and 45°C.

#### PRECAUTIONS FOR USE AND STORAGE

Periodically check the concentration of the product in use, using a refractometer and comply with the attached curve. It is recommended to store the products in temperate conditions in sealed containers.

#### ADVANTAGES

- **THERMIC FGP** avoids risk of fire and reduces smoke emissions
- **THERMIC FGP** reduces manufacturing costs through:
  - Its low use concentration
  - Low consumption
  - Its good performance in time
  - The cleanliness of parts after quenching and corrosion protection
  - A specific formulation to reduce the risk of quenching cracks

#### TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	PURE PRODUCT
Color			White
Aspect			Clear
Viscosity at 40°C	ASTM D 445	mm <sup>2</sup> /s	247.5
Density at 20°C	ISO 12185	Kg/L	1.021
Alkaline reserve		mg/KOH/g	13.3
CHARACTERISTICS	METHOD	UNIT	DILUTED PRODUCT
pH at 15 % at 23°C	NFT 60 193		9.6
Reading in ° Brix at 15 % at 23°C			2.9
Refractometric coefficient			6.2

The specifications are given for information purposes only and may need to change.