



60 rue de la Tuilerie - 38920 Crolles - France
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ABRANOX 300

DESCRIPTION

ABRANOX 300 is the fruit of research tasks which called upon the most modern technologies. Nuance ABRANOX 300 presents a balanced chemical composition. Thanks to its chromium rate of 12%, it can be considered, in a normal environment, like a stainless steel. It is thus located between corrodible steels not allies and the stainless steels more strongly allied, which are as for them more expensive. Because of its special development, the ABRANOX 300 ensures an appreciable whole of qualities: corrosion resistance, abrasive resistant, impact strength, weldability, behaviour with high temperature (mechanical properties, oxidation resistance and to corrosion).

QUALITIES

1. Corrosion resistance

ABRANOX 300 presents, compared to the carbon steels, a corrosion resistance atmospheric basically improved. It is also characterized by a good behaviour with corrosion in medium subjected to condensations, for example in the chimneys

2. Wear resistance

ABRANOX 300 offers a good abrasive resistant and a wear less than a carbon steel. The main feature of the ABRANOX 300 is however to ensure an excellent coefficient of friction which makes it possible to avoid the filing of the ways of conveying, chutes, exchangers, hoppers. This property is particularly necessary in moist environment, that this one is caused by condensation dependent on the thermal shocks or the atmospheric conditions, or by transported materials : liquids, gas, and more still, powders or weighty.

IMPLEMENTATION

1. Welding

For the welding of steel ABRANOX 300, we recommend the following products of contribution: ISARC 1810, KERNINOX 78 B, MIG WIRE ISAFIL 1632 G.

2. Cutting

By process plasma, abrasive water jet or shearing with special tools.

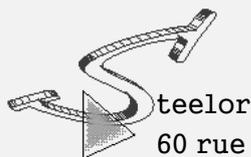
APPLICATIONS

We recommend the use of ABRANOX 300 in all the cases where the abrasion combined with corrosion uses ordinary steels quickly, even if those are covered

ABRANOX 300 for example is used successfully in the following fields:

- **mining industries, of cements and lime:** supporting of the ways, conveying, ore processing, storage, hoppers, mixers, trucks with concrete, etc...
- **sugar industries:** station of washing and drying of beets, conveying, épierrage, etc...
- **various industries (metallurgy, petrochemistry, heavy boiler making):** chimneys, pipings, sheaths and boxes with hot gases, driers, grating, footbridges, scaffolding, frames, etc...
- **equipment of communities:** transport and incineration of the household refuse, equipment for purification plants, cleaning of the sewers, crushers for elimination of the cumbersome goods, containers for recovery of the raw materials (for example glass).
- **transport:** vehicles of loading in bulk (railway, road, maritime), containers, tanks storage for solids, liquids, gas, control panels road, etc...
- **agricultural, wine, agro-alimentary equipment:** silos, loaders, installations of slaughter-houses and cattle sheds (vats, feeding troughs, carriages), spreaders, hoppers, washers, tanks, etc.

CURRENT DIMENSIONS : 1000 * 2000 et 1500 * 3000 - Epaisseurs 3 à 30 mm.



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