

THE THINK TANK

ENSURE LONGEVITY WHEN CHOOSING A STORAGE TANK

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Storage tanks are used worldwide in the Petro-Chemical industry. Choosing the right tank material that is compatible with the fluid being stored is critical in extending the service life of these tanks.

Here are 5 ways of extending the service life of your tanks:

1

Corrosion rates vary between different Materials of Construction (MOC) and fluid combinations and choosing the correct MOC will help in extending the service life of your tank.

2

MOC and fluid compatibility is not the only factor to consider when looking at corrosion rates. The compatibility of the MOC and the direct environment and chemicals it contains plays a big part in the decision-making process.

3

Degradation of tanks due to UV must be considered as some nonmetallic tanks are not UV resistant and requires a UV resistant layer to be added to the external surface of the tank.

4

The cost of tanks of the same dimensions and structural rigidity can vary significantly as a result of the chosen MOC. The MOC based on its corrosion resistance might be more expensive, but an alternative option may be to use a more cost-effective tank (not resistant to the fluid being stored) with an internal corrosion barrier compatible with the fluid being stored.

5

Regular inspections are the key in maintaining and ensuring your tanks are kept in service and safe for use. Early detection of tank failure saves lives and decreases downtime.