CERAMIC COATED TUBES FOR CORROSION RESISTANCE AND ENERGY SAVINGS

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Corrosion in various materials of construction used in down stream industry is one of the major concerns to industry. Several billion dollars are spent worldwide on annual basis to upgrade / change materials apart from revenue loss on account of production halt and additional costs incurred in maintenance s. In current situation where every dollar spent in Operation & Maintenance of plants is being monitored closely, there is a need for suppliers to come out with innovative solutions which not only help fighting corrosion but also helps in overall reduction of cost.

TUBACOAT or ceramic coated tubes is one such innovation from TUBACEX. This new technology or innovative way of coating helps downstream industry in several ways. These tubes have excellent resistance to fouling / scaling / erosion and other corrosions. This also means reduced risk of damage to downstream equipments. Apart from corrosion resistance this also helps save precious energy.

This paper tries to bring out the advantages in terms of resistance of ceramic coated tubes to various forms of corrosion and trying to bring out the cost savings which can be expected out of it.

This paper also presents the results coming out of field trials and further developments planned.