

# ABRASION RESISTANT PIPE

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Sangir SanTuFF Piping System is a multi-layered piping system where the inner layer is highly resistant to physical abrasions. In contrast, the outer layers provide mechanical and structural strength to the products. Gravel, rocks, sharp stones, and acidic effluent or chemicals can all contribute to the erosion and corrosion of pipes. In scientific testing, SanTuFF® Piping System exhibits strong abrasion resistance with considerably reduced wear rates compared to other materials. In the case of other MOCs, it has been found that the inner surface is worn away, over time, due to corrosive fluids and abrasive bed-loads containing gravel, silica, rocks, sharp stones, and metal ore, and abrasive slurries.

## The need for an abrasion Resistant Piping System:

Abrasion rates increase with fluid velocity and pipe diameter and depend on a number of factors such as flow rate, fluid velocity, size and shape of debris/particles etc.

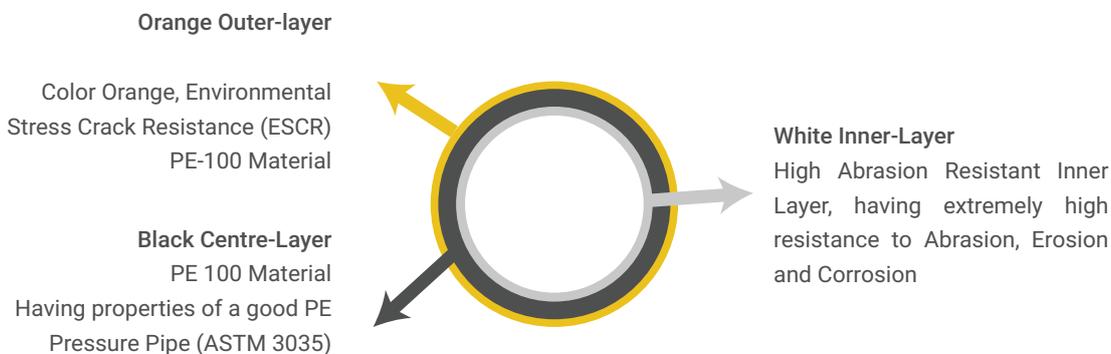
Slurry flow causes a abrasion in Piping Systems.

Turbulent flow is ideal for reducing the wear on polyethylene piping during operation.

SanTuff® pipe has better resistance to slurry flow abrasion than conventional thermoplastic pipes

Sangir San-Tuff abrasion resistant piping is in a triple layered construction: conforming to ASTM 3035 Standard.

Manufactured with the following construction:



Abrasion Resistant



Wear Resistant



Crack Resistant



Impact Resistant



Light Weight



Fire Retardant



UV Stabilized

## Applications

Sand Dredging | Marine Dredging | Mining, De-watering & Sludge removal | Mineral Slurry Conveyance | Tunnel Drilling Sludge removal | Gypsum Slurry Lines | Sand stowing.



## Corporate Office

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