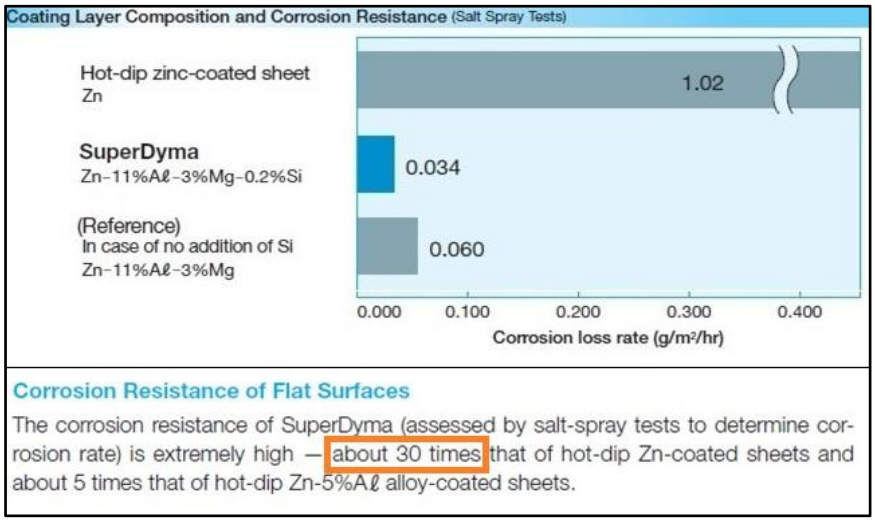
Technical comparative summary (HDG vs SuperDyma)

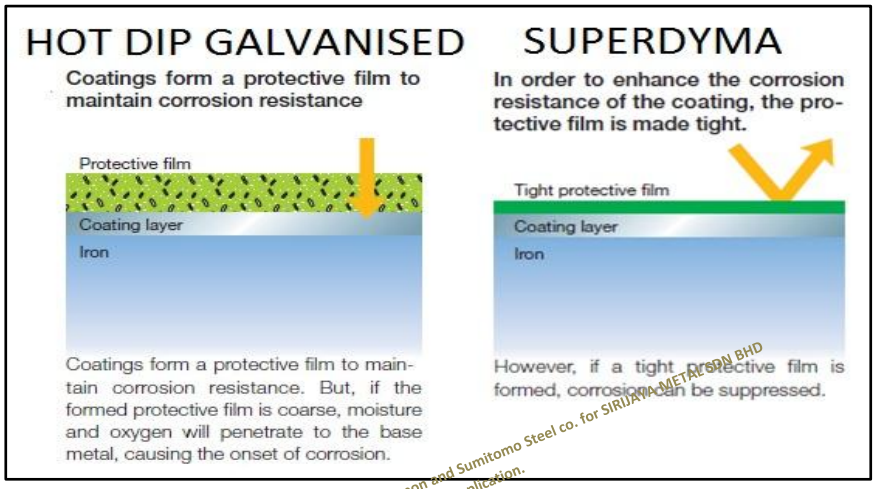
	Hot-dip galvanization	Superdyma
Coating Material	Produced by immersing the base metal in a bath of molten zinc at a temperature of around 450 °C. The process forms a dull grey surface coating protects the steel underneath from further corrosion .	Produced by immersing the basemetal in a bath of molten with Zn-11%Al-3%Mg-0.2%Si alloy at a temperature of around 450 °C. The process forms a smooth shiny metallic surface coating protects the steel underneath from further corrosion. The addition of Mg proved to reduce the rate of corrosion weight of the coating. And the presence of Si is to surprresed the occurrence of white rust.

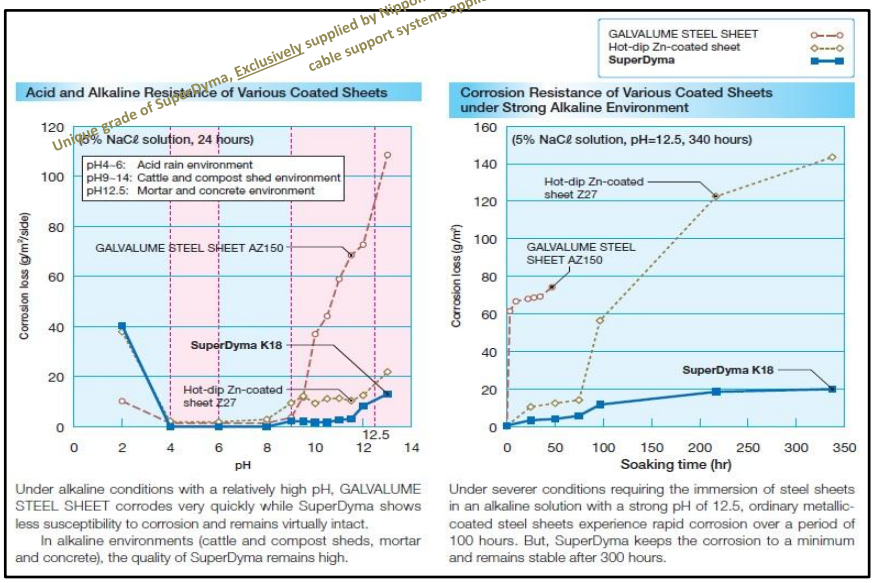
	Hot-dip galvanization	Superdyma
Commercial	Customer is paying the cost of extra logistic in transporting the base material to hot dip factory and to the enduser site.	Coating has been done in mill and reduced transportation cost
	Customer is paying for the chemical treatment process and the expensive chemical treatment cost for the spent chemicals in substrate cleaning process.	Coating has been done in mill and no chemical treatment and no spent chemicals treatment cost incurred.
Lead Time	Hot Dip Galvanising Plant face frequent Departemnt of Environment (DOE) inspection and usually lead to unpredictable finished goods lead time.	Accurate and predictable finished goods lead time.

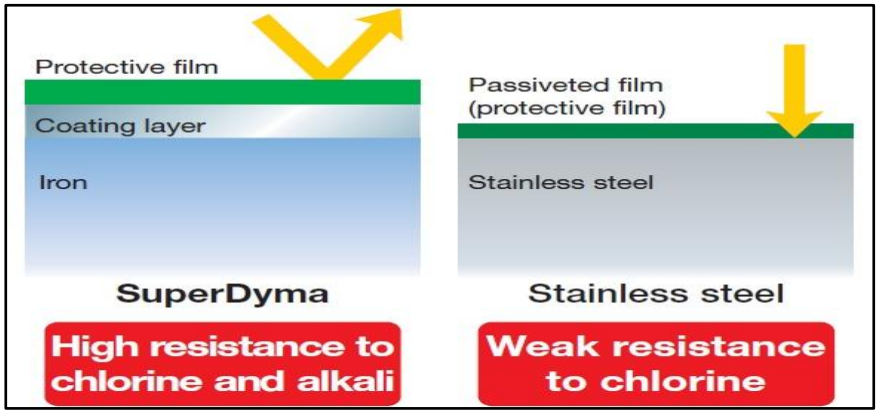
	Salt Spray Test	Salt Spray Test
	SIRIM Test ReoprtNo: 2018CE0344, 26th February 2018	SIRIM Test ReoprtNo: 2018CE0342, 26th February 2018
Reference Standard/ Method of Test	ASTM B117-16: Standard Practice for Operating Salt Spray (Fog) Apparatus ASTM D610-08 Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces	ASTM B117-16: Standard Practice for Operating Salt Spray (Fog) Apparatus ASTM D610-08 Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces
Test Condition	Duration of Exposure: 2000 Hour Temperature of exposure zone: 35°C Salt Solution used: 5% NaCl pH of collected solution : 6.8	Duration of Exposure: 2000 Hour Temperature of exposure zone: 35°C Salt Solution used: 5% NaCl pH of collected solution : 6.8
Test Result	Red Rust Evaluation criteria at 2000 hour: Result = 5 (Greater than 1.0% and up to 3.0%)	Red Rust Evaluation criteria at 2000 hour: Result = 10 (Less than or equual to 0.01%)



Technical comparative summary (HDG vs SuperDyma)







Technical comparative summary (HDG vs SuperDyma)

*** Surface finishing for SuperDyma is far superior than HDG**