



DAIWA LANCE INTERNATIONAL CO., LTD.



Tan Thuan Export Processing Zone , Tan Thuan Dong Ward , District 7 , Ho Chi Minh City, S.R. Vietnam
Tel : 84-8-37701858 Fax : 84-8-37701857 Email : info@daiwalance.com.vn <http://daiwalance.com.vn>

Specification of Color pipe



1, Layer of color pipe

Steel tube surface of both sides is galvanized layer. Polyester layer covered on this layer. This product has long term durability by dual protection of metal plated and resin coating. Product of majority in other company, resin coating layer is coated only outside surface, but our product have both sides resin coating.

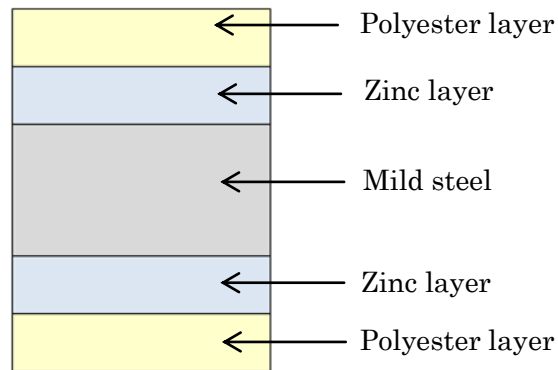


Fig. 1 Layer of coating tube

2, Background of development

Color pipe is used in agricultural vinyl house in Japan. At this moment, the manufacture compared the resin that is polyester, polyethylene and epoxy. They choice the polyester depends on the weatherability. But almost past product is coated only outside surface. In case of using in agricultural vinyl house, tube easy to get the rust because moisture remains in the pipe. So we developed the coating product that has both sides polyester coating.

3, Kind of color

General our product color is white because protect to heat by sunshine and protect to deterioration for vinyl sheet. But if customer orders the other color, we can do it.



4, Performance of coating tube

Our product depends on following matter;

Table 1 Result of performance test

Test contents	Test conditions	Result
Adhesiveness	Cross cut test, span 1mm	No peeling
Boiling water	100 degree, 1 hour	No peeling, no shrinking, no crack
Chemical resistance	10% HCl, 5hours	No rust, no duty, no color change
	10% H2SO4, 5hours	No rust, no duty, no color change
	Saturation Ca(OH)2, 5hours	No rust, no duty, no color change
	10% NaOH, 5hours	No rust, no duty, no color change
	Kerosene, 5hours	No rust, no duty, no color change
	Ethanol, 5hours	No rust, no duty, no color change

Table 2 Adhesiveness test

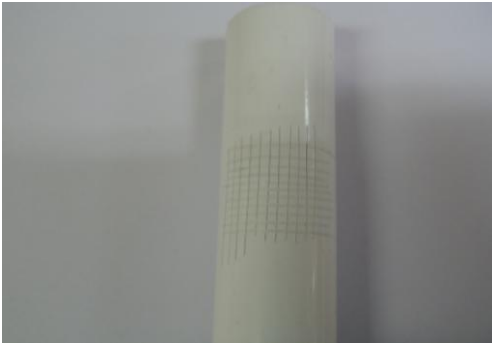
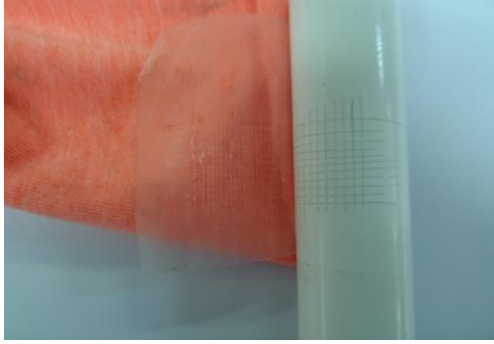
Cross cut	After taping
	

Table 3 Boiling water test















Before	After 1hour in boiling water
	

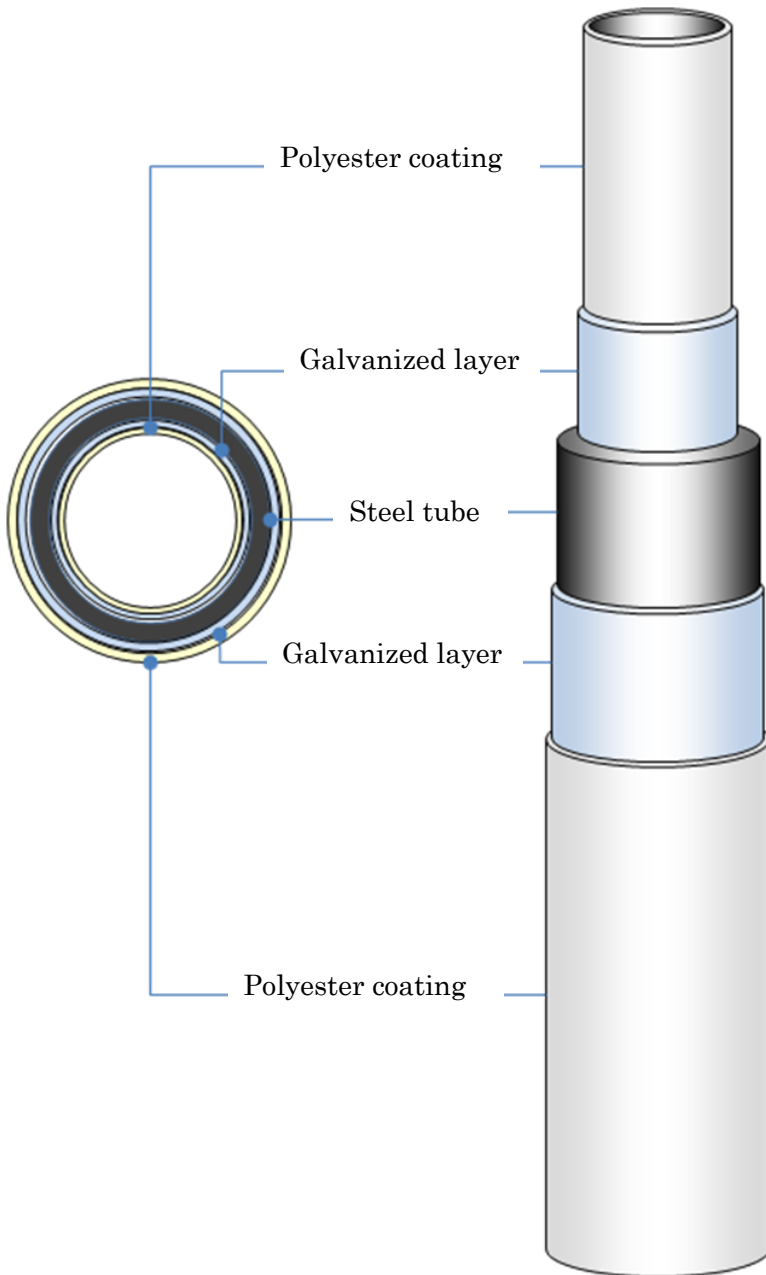


Table 4 Chemical resistance test

	HCl 10%	H ₂ SO ₄ 10%	Saturation Ca(OH) ₂	NaOH 10%	Kerosene	Ethanol
Before						
After 5 hour						



Product summary



Galvanized rank : Z18

Both sides polyester coating



Both ends are swaged for connecting



Table Product range

O.D. (mm)	Bundling	Note
19.1	200 (10 x 20)	25.4 is build to order manufacturing
22.2		
25.4		