

Comparison between RCPC&Metal Reinforced PE Spirally Corrugated Pipe

	RCPC	MRPE Spirally Corrugated Pipe
Material		
Material features	<ol style="list-style-type: none"> 1. The pipe material be rusted very easily (For example the sanitary sewage contains corrosive medium, such as H₂S and ect), so the life span is short; 2. The abrasive index of inner wall, Manning coefficient is 0.013, so very easy to scale and block the pipe; 3. Pipe will use rigid connection, sealing property is not good, and also very bad property to land subsidency and earth movment, so the connection very easily be broken, will cause sewage water leaking and land pollution. 4. The impact strength is poor, the connection adaptor of RCPC will be damaged easily in transportation and installation, will waste some pipe material; 5. Pipe weight is very heavy, not easy for transportation and installation, increase the comprehensive construction cost; 	<ol style="list-style-type: none"> 1.HDPE material has super corrosion resistant property, the inner and outter layer of MRPE Spirally Corrugated Pipe is plastic, normally the life span can be more than 30 years. 2. The abrasive index, Manning coefficient is 0.009, more smoother and no incrustation scale, get largely flowing capacity, can reduce earthwork, just becasue design slope is little, 3.This is flexible pipe, very strong impact resistance and earth moving resistance.The pipe connection will have very good sealing performance cause we will use PE electro-fusion coupling for jointing, no break even land subsidence happen; 4.Pipe weight is very light cause hollow structure, very easy for transportation and installation;

<p>Engineering construction</p>	<p>1. Generally, RCPC will have highly requirements for installation, such as need concrete basement and longer curing time of cement, so it will take longer construction time and spend more expenses;</p> <p>2. The length of RCPC is short, normally is 2-4m, will have more connection joint, leaking probability be increased, and sealing property is not good;</p> <p>3. The transportation cose is very high cause the pipe weight is very heave;</p>	<p>1. Don't have too much requirements about the trench and basement, use electro-fusion coupling for connection, the installation very easy and fast.</p> <p>2. The linear length of pipe is 12m, less connection joint, reduce leaking probability, and good sealing property;</p> <p>3. Very easy to repair if any break by electro-fusion coupling;</p> <p>4. Pipe weight is light, easy for transportation and cost is lower than RCPC;</p>
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