

PRIME PP-R HOT & COLD WATER PIPING SYSTEM

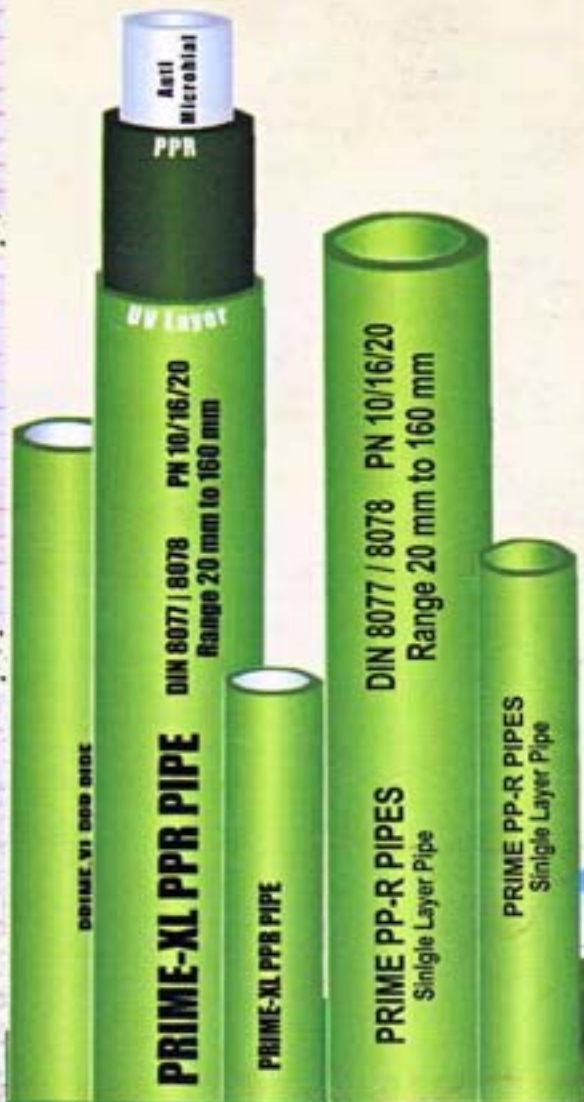
(Single & Multilayer Pipes)



PRIME®



An ISO 9001 Company



Application Areas

- ✓ Potable Water, Hot & Cold Water, Chemical, Irrigation
- ✓ Residential apartments, Condominiums, Public Housing Hospitals
- ✓ Commercial/Business Complex, shopping centres, Office Buildings Software Technology Parks.
- ✓ Industrial factories dealing with chemicals, food processing Compressed air, Textile, Sugar
- ✓ ETP's & Chemical Sewaerage
- ✓ Hotels & Resorts



Standards - Pipes & Fittings

DIN 8077 Polypropylene Pipes, Dimensions.

DIN 8078 Polypropylene Pipes, General Quality Requirements and Testing.

DIN 16962 Pipe joints and components for pressure pipe of polypropylene.

Pipes & Fittings are available in the sizes 20mm-160mm in Pressure class 10, 16 & 20 kg/cm²

Comparison between PP-R Pipes and other Pipes

Properties Pipe Type	PP-R	Galvanized	U-PVC	C-PVC
Service Life Guarantee(Yrs)	50	5-25	0-20	0-50
Brittleness Characteristic	Resistant	Resistant	Not Resistant	Not Resistant
Corrosion Resistance-Abrasion Resistance	Very Resistant	Very Frail	Partly Resistant	Partly Resistant
Easiness in Fitting Prodn	Very Easy	Difficult	Very Easy	Very Easy
Easiness in Laying (Easiest:100 Hardest:0)	100	25	80	80
Hygienic Superiority	Excellent	Worrisome	Worrisome	Good
Inner Surface Smoothness	Excellent	Smooth	Rough	Smooth
Fitting Type & Cost	Excellent Cheap	Limited Expensive	Difficult Cheap	Difficult Expensive
Chemical Resistance	Excellent	Problematic	Worrisome	Good
Joining Reliability (Max:100, Min:0)	100	0-80	0-50	0-80
Easiness in Repair & Maintenance	Very Easy	Troubling	Difficult	Difficult
Pressure Resistance for PN 20 at Time Zero	>80 bar	>100 bar	>30 bar	>55 bar

Steps For Fittings



Step 1
Cut pipe to the required length



Step 2
Once the heating time is reached push the pipe & the fitting into the welding adaptors



Step 3
remove both pipe and fittings when the welding time is over and insert pipe in the fitting



PRIME - SINGLE LAYER PIPES PRIME-XL-Three Layer Pipes With UV Coating

1. UV Stabilized Layer
2. PPR Layer
3. Anti-Bacterial Layer



SALIENT FEATURES

- Not detrimental to human health
- Strong, tough and long lasting
- Light weight
- Resistant to abrasion
- Rust and corrosion free
- Noise free at high flow rates
- Rupture free
- No scaling
- High resistance to acids and chlorides
- Poor conductor of electricity
- Resistant to ultra violet sun rays
- Low frictional losses
- Leak proof joints
- Un-affected by termites
- Odorless, hygienic, no bacterial or fungal growth and no contamination
- Seamless and resilient
- Can be used for continuous hot water flow up to 90° c
- High pressure tolerances and rating
- Insulation is not necessary for interior applications
- Extensive savings in time and labour
- Widely used in European and Asian countries



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