



KDS010 Hazen-Williams Constants

Pipe Material	C		
	Typical Range	Clean, New Pipe	Typical Design Value
Steel – Welded and Seamless	80 - 150	140	100
Steel – Interior Riveted	80 - 150	139	100
Concrete	85 - 152	120	100
Brick Sewer			100
Vitrified Clays			110
Cast Iron - Plain	80 - 150	130	100
Cast Iron – Cement Lined		150	140
Galvanised Iron - Plain		130	100
Copper and Brass	120 - 150	140	130
Lead, Tin, Glass	120 - 150	140	130
PVC	120 - 150	140	130
Fibreglass	150 - 160	150	150