



## FM PRODUCTS PLASTIC FIXING PLUGS

**Also known in the trades as:** Rawl Plugs, Wall Plugs,

**Material:** Made from high density polyethylene, which will not shrink or rot and withstands variant temperatures and damp environments

### **Main Advantages & Benefits:**

- Grade of polyethylene used is self lubricating which means the screw is less likely to bind in the plug. Thus providing a fast and durable screw fixing for masonry and concrete
- One plug and drill accepts several screw sizes which means fewer drill sizes are needed when a range of screw sizes is used
- Two-way expansion and smooth sides give a high degree of anchorage by maximising hole surface contact
- Plugs have a lip around the top to prevent loss of plug down slightly over-drilled holes
- Plugs have lateral ribs under the heads to prevent the plug spinning in the hole
- Designed for use with a twin threaded, parallel shank wood screw

### **Popular sizes used throughout the industry:**

- Red Plugs are the main plug used by Electricians; they also use the Brown Plug for heavier fitments and will also use the Yellow Plug for smaller, lighter fitments. Most trades use Red Plugs to some extent
- Brown Plugs are the main plug used by Plumbers, Builders and Joiners/Shopfitters: all of these trades will use Red Plugs for lighter fitments

### **Plug Range and Specification**

Colour	Plug Dia	Plug Length	Screw Gauges Accepted	Drill Size
Red	5.5mm	34mm	6, 8 & 10	5.5mm
Brown	7.0mm	40mm	10, 12 (& 14)	7.0mm (8.0mm)
Yellow	5.5mm	22mm	6, 8 & 10	5.5mm
Orange	6.0mm	34mm	6, 8, 10 (& 12)	6.0mm (6.5mm)
Grey	8.0mm	40mm	10, 12 & 14	8.0mm
Blue	10.0mm	44mm	12 & 14 and (M6 & M8 C/S*)	10.0mm
Green	11.0mm	54mm	14 and (M8 & M10 C/S*)	11.0mm

\* C/S are Coach Screw sizes

### **Possible variation in drill diameters**

The above chart gives the standard plug and drill size recommendations in general use. However, for any given plug, a combination of the smallest screw size in a soft substrate or the largest screw size in a hard substrate would require a change in drill sizes:

- i.e.      Brown Plug with a No.10 screw in soft block would require a 6.5mm or even a 6.0mm drill bit  
             Brown Plug with a No.12 screw in concrete would require an 8.0mm drill bit

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