



## FM PRODUCTS SOFT BLOCK ANCHOR

**Also known in the trade as:** LB Anchors, Light Block Anchors & Hi - Load Anchors

**Preamble:** Modern lightweight blocks, or Aircrete type blocks (autoclaved aerated concrete), are very common and are marketed under many brand names. They offer the construction industry many advantages; they are light, very large in comparison with house bricks and easy to handle. But obtaining a good fixing in such a light and “crumbly” material is an inherent problem. The soft block anchor overcomes this fixing problem without the need for specialist tools and gives as good an anchorage as these materials will allow.

**Material:** FM PRODUCTS’ soft block anchors are made from high density, heat stabilised polypropylene, which will remain stable within working temperatures of -5 degrees Celsius to +110 degrees Celsius. This material is very versatile and linked with the design of the anchor, means that the soft block anchor can be used to achieve high loads in soft blocks, old brick work and brittle concrete, where the effect of a normal fixing plug or metal expansion anchor would weaken the front face of the substrate

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

- The neck of the anchor is designed not to expand. This avoids any break-out of substrate material and gives support in shear to the screw
- Large single expansion occurs deep in the substrate. This give the best possible anchorage where the substrate is at it strongest, without risk of surface break-out
- Stability of performance over a wide range of temperatures. Ideal for fixing situations where there is a potential heat transfer from the appliance to the fixing. A typical scenario is storage radiators
- Can be used through dot-and-dab dry wall linings. Leaving the collar in the plasterboard gives extra support in shear.
- Ordinary wire nails can be used with the nail plug within the plug’s normal capacity as per the table below.

### **Fixing Method:**

Drill the hole to the depth equal to the length of the anchor. Tap in the anchor until it is flush with the surface of the substrate. Position the fitment and drive in the screw or coach screw. Ensure the right length of screw is selected to pass through the fitment and also expand the anchor fully over its length. Example: If a 30mm batten is to be fixed into a block using the 70mm long soft block anchor, the minimum screw length needs to be 100mm (30mm + 70mm). See the table below

### **Soft Block Anchor Range and Specification**

| Anchor Length | Anchor Dia | Drill Size | Screw Gauges Accepted     | Minimum Screw Length Required |
|---------------|------------|------------|---------------------------|-------------------------------|
| 55mm          | 10.0mm     | 10.0mm     | 10, 12 and M6 coach screw | 55mm + fitment thickness      |
| 70mm          | 10.0mm     | 10.0mm     | 10, 12 and M6 coach screw | 70mm + fitment thickness      |

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