



Technical Bulletin

The Use of Additive 45

Levelling Powders

Some existing substrates we come across will require additional performance from our remedial levelling products. Roberts has within its range an additive that can be used for enhancement, to provide extra Tensile and Compressive strengths. Also in some cases, increased adhesion. A partial replacement of the gauging water with Additive 45 will achieve this.

ROBERTS Additive 45 in:

- Super level 30
- Bulk Fill 20
- Eco level 25
- Rapid Patch 40

When to use Roberts Additive 45

Roberts Additive 45 can be used when you have concerns about the condition of the substrate, whether you are attempting to repair, or are concerned about the subsequent floor coverings being installed over the levelling product. This being said however there are certain circumstances where the use of Additive 45 is essential. Although certainly not an exhausted list, the following is a few installations where Roberts Additive **MUST** be used:

Substrates requiring additive 'in the mix':

- Vibration's near by such as trains etc.
- Flexing floors such as timber (Re-enforcing required also)
- Impervious substrates such as RL20 prepared floors
- Previously damaged floors
- Extreme temperatures such as heated slabs
- Stair tread repairs (Rapid Patch 40)
- Over epoxy type primers (2 pack)

Floor coverings being installed over Roberts levelling products requiring additive 'in the mix':

- Rubber flooring
- Timber directly adhered
- Epoxy coatings
- Steel sheeting
- Membranes

NOTE: Due to the variety of substrates that may be encountered, it is your responsibility to check with your supplier prior to commencing any work, to ascertain if Roberts 45 Additive is required to be used!

*The list shown above is **not complete** and if you are in any doubt please check first!*

Roberts Super Level 30, Bulk Fill 20 & Eco Level 25:

When using additive 45 'in the mix' of Super Level 30, Bulk fill 20 and Eco Level 25 you may notice a slight degrading of the levelling

characteristics, this is due to the extra polymers you are including.

MIXING RATIO:

1 litre of 45 additive **with**
4.5 litres of water **with**
20kg bag of levelling compound

In truth, you can vary the amount of additive used per bag to achieve different levels of performance but this requires further instruction – please contact your supplier or RLA Polymers/ Roberts.

Roberts Rapid Patch 40

If using Rapid Patch 40 over impervious substrates (such as 2-pack primers), in areas of high stress or high point load, or where extra performance is required, you need to include Additive 45 'in the mix' at the following ratio:

MIXING RATIO:

1 litre of 45 additive **with**
4 litres of water **with**
20kg bag of Rapid Patch 40

Notes: Rapid Patch 40 is not the recommended product for "skimming" over RL20 for various reasons; Super Level 30 is the product that should be used for this application at a minimum thickness of 3-4mm with Additive 45 (see relevant data sheets). Recommended Procedures are available from your nearest distributor or contact RLA Polymers/ Roberts.

Tech Bulletin issued 31st July 2006

NOTE: All statements and technical information contained herein are based on tests we believe to be reliable and the accuracy thereof is not guaranteed. The information contained in our literature or given by our employees, agents or distributors about our products and there uses are based upon extensive experience of the manufacturer and is given in good faith in order to assist you. Users assume all risk and liability resulting from the use of our products and must confirm the suitability thereof by their own onsite tests. Conditions of sale contain a limited warranty against manufacturing defects. It is the responsibility of the user to obtain the most recent technical data and instructions for use of any of the Roberts levelling products.