AQUAPROOF
Wet room tanking system

Application Guidelines

Preparation

There are several different ways of constructing a wet room, each of which has its pro's and con's, there are however some basic principles that must be observed, these are:-

a) The floor can be either screeded or constructed from heavy duty wooden sheets such as plywood. But in all cases there must be a gradual slope to falls towards an appropriate shower outlet, the structure must also be solid, without flexing, and any joints in the construction board must be butted together and well fitting. This can be made easier by using a pre-manufactured shower tray former (contact us for further information).

b) The body of the shower outlet must be recessed or cast into the floor in such a way that the top of the flange is on a level or fractionally lower than the floor surrounding it. There can be no upwards step in to the shower outlet. Also all pipework from the shower outlet must run downwards into drains.

c) All brick or blockwork walls should be flush pointed and any damage repaired prior to the use of **Aquaproof**.

d) **Aquaproof** system can not be used directly over conventional narrow wooden floorboards, such boards must be replaced or covered with a sheet material such as plywood. Hardboard is not suitable, as it is not rigid enough to prevent transfer of movement from the original floor.

Primer

Aquaproof Primer can be used as a bonding agent on most absorbent surfaces including plasterboards, plywood, gypsum plasters, MDF etc. The surface has to be dry, solid, supportive and level as well as free of oil, grease, dust and other separating layers. Residual adhesives and paint as well as any loose plaster or masonry have to be removed before application. **Aquaproof Primer** has to be shaken or stirred thoroughly before use and is then evenly applied using a fur roller, paint brush or a suitable spraying gun. When the primer is touch dry the subsequent coatings can be applied. The temperature during application and drying period must be +5°C minimum and +25°C maximum. The drying period of **Aquaproof Primer** depends on the temperature of the air and the building structure, the movement and humidity of the air and the absorbency of the substrate. When the temperature is 20°C and the relative air humidity 50 % the drying period is approximately 2 hours. The consumption rate of **Aquaproof Primer** depends on the absorbency and nature of the substrate. Normally the consumption rates range from 100 to 150 g/m^2. All tools may be cleaned with water immediately after use.

Tapes, Sleeves and Corners

All wall to wall and wall to floor junctions as well as butt joints and nail / screw heads, must be reinforced with **Aquaproof Tape**. In all areas where the tape is needed first apply a generous stripe coat of **Aquaproof compound** overlapping the width of the tape by approx 1cm each side. Press the **Aquaproof Tape** and **Corners** in to the still fresh **Aquaproof compound**, with a hand float, ensure the tape and corners are flat with no raised edges or creases.

Any overlaps in the tape should face downwards and should be at least 5cm with a generous coating of **Aquaproof compound** in between. If not using **Aquaproof pre-made Corners** then at internal corners the tape must be cut from the bottom edge to the middle point and folded in on itself with compound between the overlapping pieces. For external corners a second piece of tape must be cut this time from the top edge to the middle and placed diagonally over the corner overlapping the previous piece, with wet compound in between. In this way the two pieces together cover the entire external corner, special attention must be paid to the very corner point where the two cuts meet, apply a generous coating of **Aquaproof compound** at this point. **Aquaproof Pipe Sleeves** are pushed on to the hot and cold water pipes where they penetrate the wall, they are bedded in to fresh **Aquaproof Compound**. The **Shower Outlet Sleeve** is laid over the fitted shower outlet and an appropriate size hole cut in it with sharp scissors. The sleeve dresses down in to the body of the outlet. It is normally held in place with a clamping ring supplied with the shower outlet. For application purposes it is best to remove the clamping ring while you position the sleeve and bed it in to a generous layer of **Aquaproof compound**, taking care to leave an area of 50mm around the waste free of compound. Only after the sleeve is set in place and the compound fully dried should the clamping ring be replaced and tightened.

Aquaproof Compound

Ensure the primed substrate is clean and dry and free from loose particles or other contaminants. The use of **Aquaproof Primer** is always recommended for absorbent surfaces such as plywood, plaster board, plaster, screed or brickwork Non-absorbant surfaces such as old tiles or plastic may need to be abraded before application of the compound, in such cases a test application should always be made prior to proceding. **Aquaproof Compound** has to be stirred thoroughly before use. Application temperature should be between +5°C minimum and +25°C maximum. Apply with a brush or fur roller in two to three, generous coats. Do not “brush out” the compound too thin, but use the brush or roller as a way of spreading it in a thick layer. Each coat should be approx. 300-400g/sq.m. Each coat has to be completely dry before the next can be applied this normally takes between 2 and 4 hours. **Aquaproof Compound** is also applied over the top of the previously applied tape, corners and sleeves, so as to give a seamless finish. **Aquaproof Compound** will not fully cure for approx. two to three weeks, but can be tiled over using waterproof tile adhesive after the final layer has dried for twenty four hours. Aquaproof Compound is a non-hazardous water based product, it should not be subjected to long term “standing water” flood tests until it is fully cured, spray water testing may be carried out after min. 24hours.

Further Advice

If anything is not clear or you need any further advice then please do not hesitate to contact us.

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Waterproofing Solutions

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