

# PLANT ROOM

## Waterproofing, Chemical resistant Treatment

### Plant Room protection from water damage

Plant Rooms are renown for leaking, causing problems for the room below.

#### PRODUCTS USED

Sikaflex Pro - Polyurethane  
Microl 2000 - waterproofing membrane  
Polycloth – reinforcing fabric. Fibreglass strand matting  
Sikafloor 264T – Chemical resistant Epoxy floor coating



Clear  
penetrations  
and drains



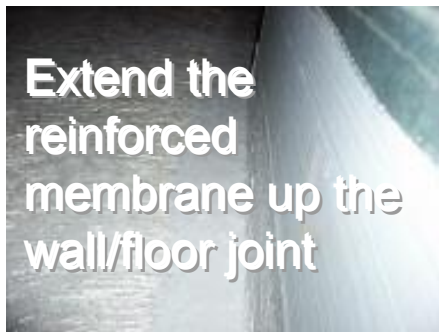
Remove  
damaged  
concrete



Cut in  
equipment  
stands



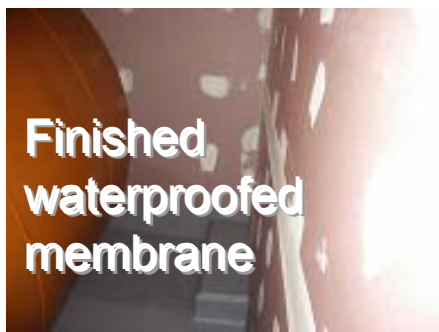
Prepare the surface  
for treatment



Extend the  
reinforced  
membrane up the  
wall/floor joint



Clean and  
prepare areas of  
chemical spill



Finished  
waterproofed  
membrane



Chemical  
resistant  
Epoxy coating  
over  
waterproofing

# 'HOW TO' INSTRUCTIONS



## **PREPARATION:**

Preparation is the key to a good job.

First part of the preparation is to clean the surface. Start with brooming, followed by water blast or mechanical grinding and if necessary a light hydrochloric acid wash. Check the surface has sufficient fall to the exit points or create fall.

Often Plant Rooms have areas which require a structural addition for the membrane needs to be terminated.

## **CUT IN PROBLEM AREAS:**

Start by identify problem areas, plan to fix these areas first.

Service areas usually have pipe penetrations, equipment platforms, drains which need detail attention. The principle is to polyurethane joints, followed by 'cutting in' polycloth with membrane to all joints, penetrations etc.

## **APPLICATION METHOD:**

1. Complete the 'cut in'. Apply small sections at a time. Use masking tape on walls to mark your job on the wall above the floor joint. Apply polyurethane as a 'bond breaker', then membrane and polycloth up the wall extending at least 50mm.
2. Broad area application requires planning first. Cut your lengths of fibreglass matting to suit, allowing for a 50mm to 100mm overlap. Start the job from the furthest point from the exit with manageable lengths. Apply membrane, lay in fibreglass matting, with a further application of membrane. Repeat the process until the entire surface is complete.
3. Apply a final coat of membrane to the entire surface being treated.
4. OPTION for chemical resistant floors: Apply two coats of hard wearing chemical resistant epoxy floor coating.

## **SAFETY CONSIDERATIONS:**

Safety should always be considered. The main considerations for this type of job is the physical conditions rather than product hazards. Protective eye, breathing and work wear are particularly important. Product safety is highlighted on the packaging, noting that most water based membranes are relatively benign. If using epoxy products, read the safety instructions on the packaging