

NWS in Action



Williamson Square Fountain at night

Williamson Square High Tech Waterproofing for High Tech Fountain

Wrekin Construction were undertaking the improvement and upgrading of Williamson Square as part of the Liverpool City Centre Movement Strategy.

The central feature fountain is computer controlled and needed to have a secure waterproof lining – so Wrekin contacted NWS for advice and assistance. NWS recommended a full watertight system from Sika, which included the Sikadur Combiflex System – a combination of hypalon strip and epoxy adhesive,

for sealing the joints in the structure.

This was followed by overall waterproof lining with Sika's Poxitar F, an epoxy combination coating specially designed for continuous or frequent immersion.

To further assist Wrekin on the project, NWS introduced Quickseal Specialist Contractors who are particularly experienced in all types of waterproofing works and who skilfully completed the project.

The NWS Office Support Team



David Mackay, Tracy Smalley and Pauline Ince

1st Edition Summer 2005

This is the first edition of our new newsletter 'NWS in Action' – we hope it contains something of interest to you – please let us know if you have any comments or suggestions for our next edition.

Through this newsletter we want to keep both our current and potential customers up to date and let you know the services that we provide.

To clearly illustrate our services we have put together a selection of recently completed projects throughout the North West. These services include:

- **For Facility Managers, NWS 'Free' service** to survey your problem areas, use our technical expertise to identify solutions, provide detailed specifications and method statements, introduce competent contractors and ensure the right price for the right job using the right materials.
- **For Main or Term Contractors, NWS 'Free' service** ensures you get the right problem solution, the right materials, applied by the right specialists or your team (with our Supervisory Service) at the right price at the right time.
- **For Specialist Contractors, NWS 'Free' service** ensures you protect your relationship with your clients, secures you more business and provides you with sound independent technical advice and support.

At NWS our knowledge and experience is second to none in the region – for any building or construction problems from the basement to the roof, from the walls to the floors, we can assist!

- **If it leaks or if it must not leak:**
No Problem – Call the NWS Helpline!
- **If it is slippery or may become dangerous:**
No Problem – Call the NWS Helpline!
- **If it is damaged or if it needs protection:**
No Problem – Call the NWS Helpline!

NWS have been established and continually building our reputation for more than 20 years – we are certain that we can be of assistance to you!

If you have a problem or a situation similar to the ones on these pages –
Call the NWS Helpline Today!

David Mackay

Hockery Brooke Mine Water Scheme

The Coal Authority and their contractor A E Yates Ltd were constructing a dam to direct contaminated

water through a water treatment process. The process involved diverting the water with the dam so

that it passed through a series of settlement pools and wetland reed beds to create a natural filtration and purification system.

An important requirement of the project was to securely seal the joints in all of the concrete structures to ensure that no contaminated water could leak into the environment.

A E Yates discussed the requirement with NWS who advised the use of Sikaflex PRO 3WF, an advanced chemically resistant joint sealant based on polyurethane resin. This



Settlement pools and wetland reed beds taking shape

Groundwater protection with Sikaflex PRO 3WF joints

sealant has now been used to efficiently and effectively seal all of the joints and protect the groundwater in accordance with the environmental policy of the Coal Authority.

Same Again Please For “Odour Control Scheme”



Construction Techniques Apply Sikagard 720 EpoCem

As part of their Odour Control Scheme implementation, United Utilities needed a chemically resistant containment bund lining, that had to be applied within days of striking the formwork from the ‘green’ concrete, so their Design and Management Contractor contacted specialists Construction Techniques.

Construction Techniques together with Materials Consultant NWS had already solved a similar problem

requirement at Sandon Dock WTW and so the same team was extremely capable of providing the solution for the new project at Davyhulme.

NWS proposed and supplied Sikagard 720 EpoCem, a thin layer epoxy cementitious render that acts as a TMB (Temporary Moisture Barrier) and levelling coat, allowing the chemically resistant protective coating Sikagard 63 to then be securely and safely applied to the ‘green’ concrete.

Food Additive Manufacturer Demands High Standards

Flavours and Essences UK Ltd, the leading manufacturer of food additives, required a high quality, chemically resistant, easy to clean floor, for what needed to be an almost ‘clean room’ environment, at their new build facility in Blackburn.

Due to their previous good experience of our service

they consulted NWS for advice.

NWS were able to recommend a virtually ‘tailor-made’ solution using high performance Sikafloor systems – Sikafloor Purcem 20 a polyurethane screed for the floor, Sikafloor 280 mortar for precise coving and details with a Sikafloor 261 epoxy coating as the finish on the walls.

In addition to the floor specification and materials supplied, NWS was also able to introduce a quality orientated local specialist contractor – P J McGrath & Sons who have recently completed the project exactly as the client required.



Picture taken at an intermediate stage prior to coving and finishing wall coating application

Nuclear Facilities

Containment and Protection



Chemically resistant SikaGard coating being applied

Renovate Services Ltd, the specialist refurbishment and industrial coatings contractor, as part of their on site term contract work for the British Nuclear Group, have recently completed several critical projects in Nuclear Facilities around the North West, with the assistance and support of NWS.

The projects have included the provision of Sikafloor systems to upgrade existing asphalt floors within the facilities; the refurbishment and lining of containment bunds with Sikadur and Sikafloor coating systems; and the protective treatment of oil bunds with chemically resistant SikaGard 62 and 63 advanced epoxy coatings.

The coatings application expertise of Renovate Services and the technical expertise and logistics support of NWS has provided secure and technically sound solutions to these problems that faced the Nuclear Facilities Management.

A winning formula – ensuring the client receives the right product to meet the specified requirements, backed up with comprehensive technical advice and support through to the completed application by a competent contractor. NWS can also help you achieve this in your business!



Botany Bay - 'The Retail Experience'

Fire Certificate No Problem With NWS Assistance

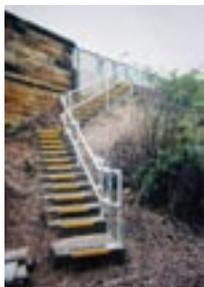
Botany Bay is a converted Victorian Mill in Chorley, which is now used as a 'Retail Experience' including a Children's Play Area.

When the management wanted to upgrade the fire protection to the internal cast iron columns, but were unable to remove the existing coatings because of access, disruption and potential damage to other materials, they contacted NWS for advice.

NWS were able to recommend and supply a system from Envirograf

which consisted of a special primer, followed by a water based intumescent coating that could be applied directly onto and over the existing sound coating material. This system provided the one hour fire protection rating required in accordance with the procedures and criteria of BS476 Part 20 (1987).

Thus the building was able to obtain a fire certificate without major disruption, damage or disturbance to the occupants and their business.



Slip resistant steps

Network Rail's continuous drive for trackside safety has led to their Access Improvements Programme. This looks to improve and make safer access for Network Rail employees and contractors, to trackside locations.

NWS Helps Network Rail With non-slip access improvements

To assist them Network Rail called in NCC (NWS sister company) to source and provide an easily installed non slip, anti skid system for concrete staircases and waiting areas etc.

NWS immediately identified the suitability for this purpose of the Ronadeck Tactile range of preformed, slip resistant sheets, nosings and tiles. For Network Rail the stair nosings and treads were fast and mechanically

installed with screw fixings in only minutes and they can be used immediately!

These Ronadeck systems are now continuing to be provided by NWS and installed by Network Contractors where they can make a major improvement to access safety.

Additional advantages of the Ronadeck Tractile range are that they can be installed whatever the

weather, directly on wet and oily surfaces. They conform to DDA regulations, can be provided in or cut to almost any size or shape, and when mechanical fixing is not possible on sensitive substrates, or over services etc, they can be resin bonded and still used in 2-3 hours! For similar requirements – Contact NWS.

Milliken International

Protecting the Environment

Milliken International wanted to ensure that their effluent containment bund would not allow any leakage into the groundwater as part of their continuing commitment to protecting the environment.

They asked their Facilities Maintenance Contractor, Don King Services Limited, to research and then carry out the works to the high standards that they insist on.

Don King called in NWS to advise on the selection of the most suitable protective, watertight systems for the project.

NWS recommended and supplied Sika's Poxitar F epoxy combination coating to provide the protection – an advanced coating system, that will even cure underwater. To seal the joints in the concrete and block containment bund, NWS recommended and supplied Sikaflex PRO 3WF, a chemically resistant polyurethane joint sealant, which was gunned and tooled into place after the coating works.

To fully support both Milliken and their contractor, NWS also provided their Site Supervision



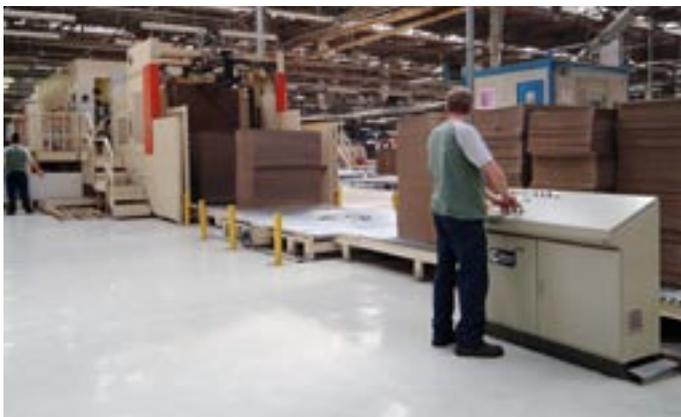
Application of Sika Poxitar F advanced coating system

Service to ensure the works were executed exactly to specification

and in accordance with the manufacturer Sika's recommendations.

Cardboard Packaging

'On the Level'



Flat durable non-slip floors-thanks to NWS!

When SCA Packaging (North West) Ltd had difficulties with uneven and damaged floor areas, which were causing disruption and potential danger for their fork lift trucking operations – they called in NWS to provide advice and assistance – unbelievably still a free service offered by NWS in the region!

The client needed to repair the damaged floor areas, make good joint arrises and provide a level slip resistant surface finish.

NWS were able to propose a complete Sika System: Sikafloor 91 epoxy mortar to repair the damaged areas and reform the joint arrises, followed overall by Sikafloor 156 epoxy primer, and 2 coats of Sikafloor 261 solvent free epoxy coating, incorporating silica sand to give the desired degree of slip resistance.

Specialist local contractor P J McGrath & Sons was selected to carry out the works which have now all been completed to the clients' satisfaction.

Environment Agency

Depot Sealed



Bedford Depot

The Environment Agency wanted to seal the joints between new external concrete slabs, at their Bedford Depot near Leigh, to prevent any potential seepage of oil into the groundwater. Their contractor, A E Yates

Limited, contacted their specialist materials supplier NWS for advice.

A E Yates had to find a quick and easy to install, oil resistant, trafficable and durable sealant for the joints.

NWS immediately recognised this as an ideal application for Sikaflex PRO 3WF, an advanced chemically resistant joint sealant – tough enough to also take vehicular traffic. Additionally, being a one component polyurethane material, it was quick and easy to apply and finish. Another ideal solution provided by NWS.



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Call the **NWS** Helpline Now on 01257 266696