



// ONE BRAND // ONE SOURCE // ONE SYSTEM



// SERVICE // MATERIAL PROCESSING // SURFACE PROTECTION // AUTOMOTIVE

REMA TIP TOP SURFACE PROTECTION



SURFACE PROTECTION

1. RUBBER LINING MATERIALS

Over many years of technical development and rigorous testing REMA TIP TOP has developed a World Class range of rubber lining systems to suit every potential application where a rubber or hybrid rubber is specified. All the systems we offer have undergone extensive laboratory testing as well as practical field testing.

As a Global leader in these materials we have a team of technical engineers available to assist and advise on your particular application, backed up by a sales and service network available throughout the UK and Overseas.

Prior to commencing any application a detailed review of the surface to be treated will be carried out. Process parameters as well as the composition of the media/liquid concentrations and temperatures will be determined and evaluated. Potential external disruptive factors and risks are also considered.

This procedure guarantees that the recommended rubber lining / coating will provide the application with the most effective and long lasting corrosion protection possible. The lining installation would normally be applied at the REMA TIP TOP lining facility at Standish in the North West of England or alternatively on site if required.

Rubber Linings fall into two specific groups:

Soft rubber linings

are characterised as being particularly flexible – even for mechanically less stable components. The material is described as being soft rubber only after it has been completely vulcanised.

Hard rubber linings

can only be used for mechanically stable components. They are generally based on natural rubber compounds but also hybrid mixtures of natural rubber (NR) and polyisoprene (IR) or styrene-butadiene (SBR) are possible.

THE FOLLOWING RUBBER TYPES ARE AVAILABLE

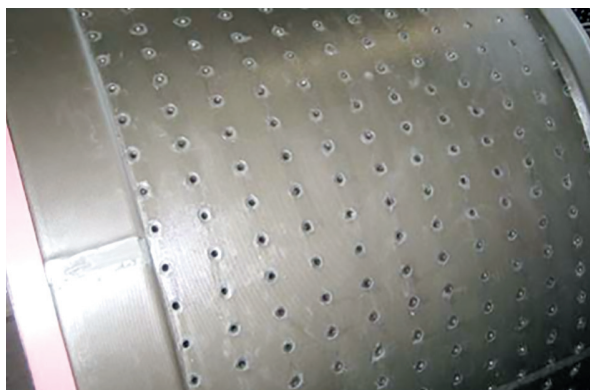
- Natural rubber (NR)
- Chloroprene rubber (CR)
- Butyl rubber (IIR)
- Chlorobutyl rubber (CIIR)
- Bromobutyl rubber (BIIR)
- Chlorosulfonated polyethylene (CSM)
- Nitrile rubber (NBR)
- Isoprene Rubber/Styrene-Butadiene Rubber (IR/SBR)
- Bromobutyl/Polyvinylchloride (BIIR/PVC)
- Chlorobutyl Rubber/Chloroprene Rubber (CIIR/CR)



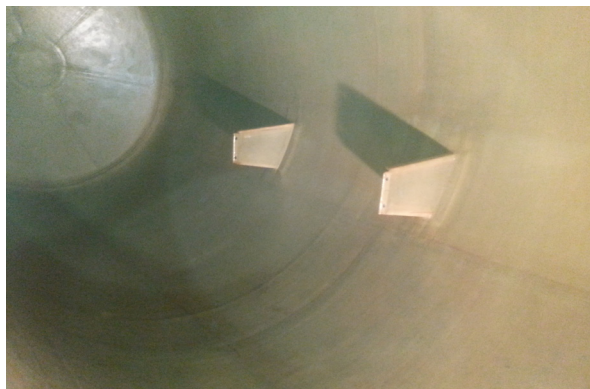
Rubber-lined flow-meter pipe



Rubber-lined container



Rubber-lined centrifuge



TIP TOP lining 74 lined acid tank

SURFACE PROTECTION

2. TIP TOP LINING SERIES

REMA TIP TOP's high performance lining series, based on epoxy, polyester and vinylester resins offer the most comprehensive chemical resistance. A system can be specified for most industrial corrosion protection requirements. REMA TIP TOP can also provide GRP laminate linings where required.

3. COROFLAKE GLASS FLAKE SYSTEMS

For reliable long term corrosion protection in process plants, REMA TIP TOP synthetic resins with glass flake technology are now widely used throughout industry

REMA TIP TOP offer a wide variety of high performance coatings for applications exposed to aggressive chemical attack. Typical areas for these products would be vessels, flue gas scrubbers, ducting and chimneys. These coatings offer exceptional chemical and thermal resistance. Applied using airless spray, brush or trowel these coatings are manufactured using epoxy, vinyl ester, furane and phenol resins as well as polyester resins containing various fillers.

REMA TIP TOP will specify a suitable coating system based on operational parameters, substrate and application. The coating materials offered within this range are distributed under the COROFLAKE brand name.

4. COROPUR POLYURETHANE COATINGS

REMA TIP TOP wear protection coatings based on polyurethane and polyurea represent another fast growing sector of the business.

These systems guarantee rapid curing and excellent bonding to most substrates even under the most challenging conditions such as high humidity, damp or low temperature environments.

5. REMACOAT POLYUREA COATINGS

Polyurea coatings are particularly distinguished by excellent resistance to abrasion and wear, as well as broad chemical resistance. These systems also demonstrate great elasticity / tensile strength resulting in a wide range of potential applications such as concrete protection, repair / encapsulation, corrosion / wear resistance & waterproofing- up to blast mitigation coatings. Curing times as low as 10 seconds allow for rapid installation ensuring minimal downtimes and fast return to service for equipment / facilities.

ON-SITE INSTALLATION

In addition to providing our own factory based lining / coating service we also have the capability to supply an on-site application service regardless of the size of the component.

REMA TIP TOP have experienced teams of operatives who can be mobilised to site to apply the specified coating systems to storage & reaction vessels, pipework & absorbers in steel as well as concrete structures such as waste water / neutralisation basins or bunds around aggressive chemicals.

Such operations have been regularly carried out around acid, alkali and salt solutions where their corrosive attributes are exaggerated by high or inconsistent temperature environments. They are also ideally suited to applications exposed to mechanical stress.



Coroflake lined concrete bund



Coroflake lined vessel



Blue Orca - ship linings



Blue Orca - ship linings

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