

Hotspray



Picture BMW Pavilion at the
Olympic Games 2012

**Insight into the World of Independently
CE Certified Liquid Membrane Systems**





Seamless Hotspray Membranes; Quality Assured

Seamless Fast Cure Waterproofing for any Application

Prokol hotspray membrane systems have unlimited possibilities for sealing and waterproofing on any substrate or architectural design & build application. At Prokol we develop these systems for technically challenging applications giving excellent aesthetic finishes.

Hotspray membranes cure in only a few seconds & combined with high elongation properties engineered into the coating will allow for expansion and contraction through adverse climate change always giving a zero maintenance finish. Prokol products are designed to remove limitations making the most unique creations possible.

Application Process & Quality Assurance

Our hotspray system is durable and designed to seal all diverse areas on different kinds of substrate and in any shape or size.

It can be applied at varied thickness's in one single application giving a guarantee of full impermeability and resistance to chemicals and abrasion.

Our seamless membranes are applied by selected approved installers globally who are supported by Prokol technical teams and strict Quality Management Systems that assure our products meet client expectations





Among other things, our systems are used:

- as a protection and sealing of steel pipes and tanks within the (petro)chemical industry;
- as a sealing for secondary containments;
- for the protection, sealing and finishing of fresh water tanks, waste water receptacles and water purification installations WRAS BS6920;
- as wear resistant linings for aggregate hoppers;
- as seamless waterproof membrane for all kinds of roof applications, car park decks, bridge decks, tunnels, basement tanking, walls and facades;
- for applications in the maritime sector, including wear-resistant coating of ship's holds, ship decks and Roro decks;
- for coatings in the offshore and dredging industry, including drilling platforms and pontoons;
- as a coating on dock shelters for rubbing strips and as a finish of truck floors, loading bridges and dumpers;
- as an antistatic coating for applications where static build-up of the base is unwanted;
- to coat and seal swimming pools and sauna complexes;
- for direct coating and finishing of insulation material, like polyurethane and EPS;
- as design finishing and sealing at theme parks, zoos, works of art and advertisement objects;
- as seamless floor and wall finishing within the retail food sector.

"Thanks to the combination of its characteristics and a short drying time, almost every shape can be coated seamlessly."



- Fast Application • Zero Maintenance • Long Application Life



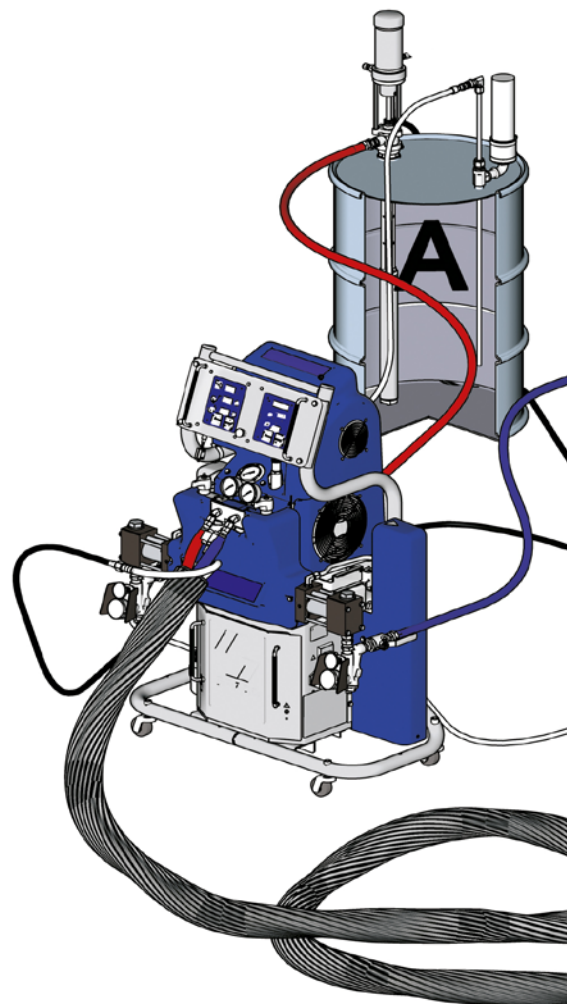
Sprayed seamlessly in every shape, dry within seconds

Different variants

Prokol offers a varied range of hot spray coatings based on pure polyurea, polyurethane or a hybrid variant.

Polyurea variants offer many options for extreme or extraordinary situations or in external applications. The reaction reliability of pure polyurea-based hot sprays is not temperature dependant, and it is also insensitive to humidity. Furthermore, there are no accelerators in the system, as a result of which the characteristics of the material remain constant in almost any condition. That's the reason why polyurea-based hot spray is often used particularly for heavy or outdoor applications and can be applied at low temperatures.

For less heavy applications, like art objects, furniture and rock formations, polyurethane-based hot spray or a hybrid variant is chosen.



"Rocathaan hot spray coatings are highly reactive and harden within a few seconds. This means: a direct result during application!"

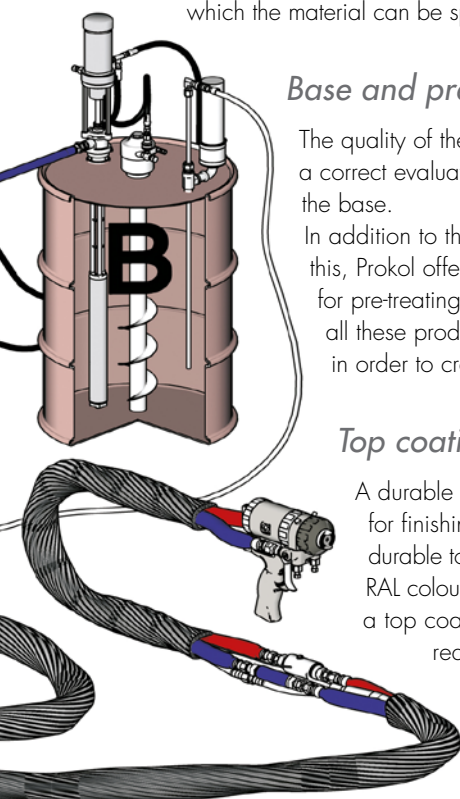
Rocathaan hot spray coatings have the following characteristics, among other things:

- Suitable for very many different substrates
- Dry within 5 to 60 seconds and can be walked on within a few minutes
- Very strong, tough elongation, impact resistant and crack bridging properties
- Anti-Slip Finish to BS 7976-2
- Resistant to both high and low temperatures
- Fire retardant or intumescent to EN 13501-5, DIN 4102, EN 1021-1, BS 5852
- Antistatic
- Resistant to large thermal shock
- Resistant to many chemicals including acids and salts
- Contact with food and fresh water certified to WRAS BS 6920 REG31 ETC
- To be applied in thicknesses of 1 to 10 mm
- If desired, vapour permeable or impermeable
- Fully impermeable
- Extremely wear-resistant
- Fully solvent-free
- Available in many colours
- Applicable to the most varied bases
- Less environmentally damaging than most traditional synthetic materials
- Very cost-efficient

The characteristics of these coatings are laid down in various certifications including independent CE, suitability for fresh water and food, fire and water resistance.

Application technique

Hot spray coatings are processed with specialized high-pressure spraying equipment. This takes care of the separate heating and transportation of both components to the spray gun. This way, an excellent mix originates under high pressure, an ideal mixture, after which the material can be sprayed.



Base and pre-treatment

The quality of the final result is determined by a correct evaluation and the pre-treatment of the base.

In addition to the necessary knowledge for this, Prokol offers a wide range of products for pre-treating a variety of bases. Obviously all these products are attuned to each other in order to create a well-balanced system.

Top coatings

A durable top coating can also be chosen for finishing. Prokol offers a variety of durable top coatings in virtually any British RAL colour. Depending on the application, a top coating can also meet specific requirements in the areas of, for example, resistance to chemicals, resistance to fire or wear resistance.





Working with our Customers World-Wide

Prokol: your partner for total polymer solutions

Since the 1980's Prokol have been active in the development, production and application of hot spray systems for the the construction industry and commercial sectors. Developing chemically interlinking products we can guarantee. Our systems continue to provide long term solutions in diverse application globally.

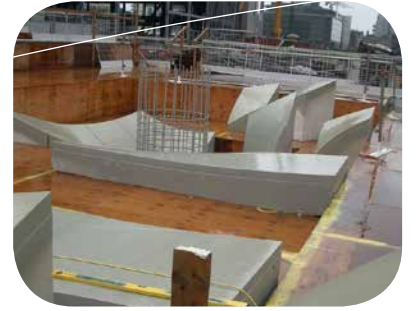
Every project may require a bespoke solution, and creativity, Prokol often offers innovative input during the development phase of any project and are actively involved in finding suitable solutions, from our own laboratory we work continuously with our clients towards finding the correct products for the applications that may need a little more chemical engineering.

Development

Prokol develops all its products in its modern laboratory. All products are developed based on the most modern techniques and according to the CE guidelines NEN-EN 1504-2 and NEN-EN 13813.

Having people and environment in mind, Prokol almost always develops its products without using solvents and based on 'renewable resources'. In this way, we fully support the world-wide 'responsible care program'.





Expertise, service and warranty

At Prokol you will receive expert advice and support you can rely on when choosing the right solutions and system combinations. Based on the problem and request, we look at the requirements with which the system must comply. Turnaround time, life time, maintenance and cost-efficiency all play an important role.

In order to provide an insight into the savings hot-spray applications can provide on expensive maintenance costs, we often use the expression 'life cycle costing'. For this, we compare investment costs, maintenance and running costs and demolishing costs.

Prokol will evaluate whether a hot-spray system is suited for a specific situation. The chemical load of an application is often made up of a number of complex process-related factors.

ProLiner quality plan

Prokol has drafted a quality plan called ProLiner in order to continue complying with all maximum quality requirements. This plan contains, among other things, topics like problem analysis, choice of product, system development, preparation of the base, execution at the location, safety at the workplace while handling the hot-spray as well as the associated (insured) warranty.

Hot-spray systems are only applied by specialized companies complying with the requirements set out in the ProLiner quality plan. This ensures that the highest quality is guaranteed to the customer.

“Prokol offers a warranty on its products. In addition, it provides the option of covering the project with an insured warranty.”



Total Solutions in Polymer Technology

Whatever kind of coating application you need and regardless of the design, Prokol has a solution for you.

- Rocathaan Hotspray - Polyurethane and polyurea-based hotsprays
- Rocathaan Traffic - Polyurea-based parking deck and bridge surface systems
- ProFast - Fast polyurea floor coatings and self-levelling systems
- Renopar - Manually applied polyurea membranes
- Rocathaan GV - Decorative polyurethane synthetic flooring
- Rocapox - Epoxy floor coatings and synthetic flooring
- Renothan - Seamless roof coating systems



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