

QUICKSPRAY

SUPREME W

1. DESCRIPTION

QuickSpray Supreme W is an instant curing, spray applied, seamless, and flexible protective membrane that exhibits excellent impact and tear strength. It will not crack, peel or splinter even under the harshest conditions and requires no maintenance to maintain its integrity and physical features.

QuickSpray Supreme W is a specially formulated high performance lining designed for use in potable water applications. Its unique formula guarantees the highest levels of water purity when used in human drinking water storage and transport vessels even at elevated temperatures.

QuickSpray Supreme W has potable water approvals from across the globe and meets the most stringent testing requirements.

2. FEATURES

- ✓ POTABLE WATER Approval according to WRAS +60°C (Water-Regulation-Advisory-Scheme-UK)
- ✓ POTABLE WATER Approval according to KTW (according to the UBA-coatings guideline)
- ✓ POTABLE WATER Approval according to KIWA (Sweden)
- ✓ Additional potable water approvals in Australia, New Zealand, Norway, Poland, South Africa and Singapore
- ✓ Spray applied Seamless application to any thickness in one application
- ✓ Fast reactivity and tack free times - from 5 seconds
- ✓ Fast return to service time – within 48 hours
- ✓ Long life-cycle - significant whole of life cycle savings
- ✓ Excellent adhesion on concrete, steel, aluminum, fibreglass, wood, foam etc.
- ✓ No sensitivity to humidity or moisture during the spraying and curing processes
- ✓ High impact and abrasion resistance
- ✓ Maintains flexibility and does not become brittle over a wide temperature range
- ✓ Very good tensile and structural strength - High elongation at break
- ✓ 100% solids, VOC-free, no solvents
- ✓ Without the use of catalysts
- ✓ UV, chlorine and saltwater resistant

3. TYPICAL USES

- ✓ Potable water reservoirs, storage tanks, canals and via-ducts
- ✓ Rain water storage tanks
- ✓ Sensitive fish breeding tanks
- ✓ De-salination plants
- ✓ Water bottling and cleaning plants

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5. PHYSICAL PROPERTIES	DATA	
Elongation at break [%]	ISO 37-2005 / ASTM D-638	≥ 350
Hardness [Shore D]	ISO 868-2003 / ASTM D-2240	45 ± 5
Rebound resilience [%]	ISO 4662 / ASTM	≥ 38
Tear growth resistance [N/mm]	ISO 34-1 method A	≥ 45
Volume abrasion [mm ³]	DIN ISO 4649	≤ 136
Taber Abrasion [mg]	ASTM D-4060	< 10 (Wheel CS17 / 1.000g / 1000 Cycles) < 120 (Wheel H18 / 1.000g / 1000 Cycles)
Peel off strength [N/mm]	ISO 813 / ASTM	Concrete: ≥ 4 Steel: ≥ 8
Pull off strength [MPa]	DIN EN ISO 4624 / ASTM D-4541	Concrete: ≥ 1,5 Steel: ≥ 6
Min. Process temp. [°C]	ASTM D-2485	Dry: -40
Max. Process temp. [°C]	ASTM D-2485	Wet: 60 Dry: 150 Peak temperature dry: 180
Potable water approval I	BS6920	WRAS (UK) up to 60°C
Potable water approval II	Guideline for the hygienic judgement	KTW (DE)
Sound absorption at 2 mm	-	> 10 dB (A)
Surface resistance [Ohm]	DIN IEC 60167	≥ 1,0*10 ¹¹
Volume resistance [Ohm]	DIN IEC 60093	≥ 1,0*10 ¹¹
Storage conditions [°C]	DIN EN 12701	10 – 30 (in closed original drums, stored at dry and well ventilated place; beware of freezing)
Shelf life	-	12 months

*) All datas measured at 25° C @ 50%rH. Meanderings at different ambience- and processing parameters have to be taken into account.

*** VIP recommends that in all applications involving chemicals a pre-test of the linings suitability in the customer's application is conducted. Consult with VIP Technical Team**

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6. APPLICATION NOTES

QuickSpray Supreme W is a high performance lining that has been specifically formulated for a specific application and has therefore not been compromised in order to improve sprayability. This product should only be sprayed by trained and experienced applicators with suitable high pressure heated equipment capable of maintaining a minimum of 152 bar (2200 psi) spray pressure (not static pressure) and maintaining a minimum of 75C material temperature.

IMPORTANT:

In the event the QuickSpray Supreme HP products are subjected to storage or transport temperatures less the +5 C it may result in some crystallisation of the components. This phenomenon is most likely to occur in the A-Side component but can be easily reversed by heating the material back up to 50C – 60C by recirculating the material through the spray equipment's heating system. All the technical properties of the product will not be affected by this process.

The tack free and cure times depend naturally on the climate and environmental influences, e.g. ambient temperature, relative humidity of air and ventilation etc. Therefore the times specified can only be used as guidelines.

Aromatic Polyurea Coating Systems are UV-stable but are not color stable. The cured coating system may exhibit discoloration when exposed to sunlight. **This does not influence the physical properties of the material.**

Prior to use, please stir both components A and B sufficiently with an adequate agitator.

Take into account to use different agitators for stirring comp. A and B in order to avoid cross contamination.

Special note for the application of potable water tanks, reservoirs and similar constructions:

After the finalization of the application of QuickSpray Supreme W a waiting time of 24 hours should be taken into account. As next step an intensive thoroughly washing and rinsing of the tank with warm water (50-60°C) is indicated and then this water can be removed. At least an additional waiting time of approx. 48 hours should be taken into account prior to filling the tank with fresh potable water.

7. FORM OF DELIVERY

Please see our price list for respective packaging units.

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own investigations and testing, the suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. These products require specialized equipment and skills to apply. It is the purchaser's responsibility to ensure that they have the necessary equipment, skills and experience to apply these products. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Technical and application information is provided for the purpose of establishing a general profile of the material and application parameters. Test performance results were obtained in a controlled environment and VIP makes no claim that these tests or any other tests can be accurately reproduced in all environments.

The rights of the purchaser regarding the quality of our materials follows completely our general terms and conditions. For requirements, which exceed the scope of the above mentioned applications please contact VIP technical staff.

VIP reserves the right to change or modify the details and data contained herein at any time.

Valid is only the actual version of this technical data sheet in each case.

Also include the following just below all the test data boxes.

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