

AQUAKOTE PW

One component water based corrosion protection black paint

NATURE AND USE

Undercoat/ Finish Water Based coating, matt appearance, odourless , fast drying containing active Zinc Phosphates. Coating product with very low content of Volatile Organic Compound. AQUAKOTE PW provides high covering power and has good corrosion protection properties, suggested as primer or finishing sole coat in traditional coating systems to protect all steel works exposed in averagely aggressive atmospheres. Perfect for the spraying coating of generic carpentry, joints, flanges, piles, bends, valves, pumps, pipes, etc. . AQUAKOTE PW after full curing forms a protecting film providing good mechanical resistance and opposition to the oxidization forming on the below metallic substrate

TECHNICAL DATA



Type of Binder:	Acrylic resin, water-dilutable
Viscosity at +20°C:	s 80 s ± 10 s Ford Cup Ø 4
Specific Gravity:	Kg/l 1,35 ± 0,05 @ +20°C
Solids by Weight:	% 53 ± 3%
Solids by Volume:	% 37 ± 2%
Gloss:	20-40
Colour:	Black

SUBSTRATE PREPARATION

New steel: The substrate to be coated must be perfectly cleaned to eliminate all possible dirt traces and must be free from oil and grease and free from all types of contaminants compromising the adhesion of AQUAKOTE PW to the substrate to be protected. Possibly perform sandblasting, otherwise eliminate all traces of rust and calamine with mechanical brush or abrading disk. Accurately remove all dust with dehumidified compressed air blow. The product AQUAKOTE PW must be immediately applied after the preparation has been completed.

PRODUCT PREPARATION

Accurately mix the product to homogenize it before its application

APPLICATION DETAILS

Application method:	Standard Airless Spray with compression ratio 30:1 minimum Conventional Spray Brush, Roller
Thinner:	Water
Thinning:	Spray 0%-20%
Cleaning:	Cleaner 524
Drying @ +20°C:	Dust dry 20 -30 minutes (depending on the atmosphere R.H.)
Forced air drying in oven:	Coating Flash off at Ambient Temperature for at least 20-30 minutes at +60/+80°C
Overcoating interval @ +20°C:	24-36 hours at +20°C
Application Ambient Temperature:	Between +5°C and +35°C
Suggested Temperature of the product:	+20 ÷ +30°C
Substrate Temperature:	+5 / +40°C always at least +3/5°C above dew point

MTDS 01018/ Page 1 of 2

The content of the present technical data sheet is the most complete currently available, based on practical experience and given in good faith. Should any change be necessary, the present data sheet will be updated without prior notice. The applying conditions of use differ according to environmental conditions and subjective application factors outside the control of the Company. The user shall determine the suitability of the product for the intended use under his own risk and responsibility. No warranty is impressed or implied. The Company refuses all liability not directly related with defects of the product or consequent to deviations from written instructions.



INDUSTRIE BRUNO STOPPANI R.P.S. S.r.l.

Sede Operativa: Via Industriale 90-119 25020 Capriano del Colle (Bs) – Italy - Phone +39 030 9745116 – Fax +39 030 9745383

sales@industri brunostoppa paints.com - www.industri brunostoppa paints.com

Azienda con sistema di gestione qualità UNI EN ISO 9001:2015 certificato da CISQ/Certiquality - Certificato Nro 2134

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Relative Humidity:	≤ 85% (Influencing only drying time)
Typical Thickness per coat:	60 - 80 µm dry (DFT)
Theoretical spreading rate:	sqm/l 6,2 at the thickness of 60 µm dry (DFT)

HANDLING STORAGE AND SAFETY PRECAUTIONS

Warning: All handling and/or use activities of the product must strictly refer to the given indications in the Safety Data Sheet. The following advices are suggested by the common sense and in good faith, they are uncompleted and do not substitute the content of the specific safety data sheet of the product.

Handling: The material must be used only by professional and qualified applicators suitably trained. All the operations involving the use of the product, must be carried on in compliance with all the relevant National Health, Safety & Environmental Standards and Regulations.

Precautions: When the product is used inside enclosed areas (i.e rooms, containers, vessels) it is imperative to provide the necessary air circulation using adequate means and must be granted during the whole time required by application and coating polymerization, to avoid conditions open to potential explosion danger.

All electrical installations must always be grounded. Where explosion hazards exist, the workmen should be required to use only non-ferrous tools and wear conductive non-sparking shoes and clothing. Explosion and flame-proof equipment too are imperative.

Storage and transport: Keep far from flames, sparks or heat sources. Do not leave exposed under the direct solar action. Store under shelter in original unopened packaging, in cool, dry and ventilated areas, at ambient temperatures between +5°C and +35°C.

Shelf life: 12 months in the suggested storage conditions (original unopened packaging)

N.B.: **Product for professional use only and exclusively for the uses not regulated under CE Directive 2004/42/CE.**

Refer to Material Safety Data Sheet

MTDS 01018/ Page 2 of 2

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