

Approval Number: 1701509
Test Report: M106251A, B & C. M106248A & B. M106246.



Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

16th December 2016

Akzo Nobel Powder Coatings GmbH
Markwiesenstrasse 50,
D72770 Reutlingen,
Germany

**WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)
CONSECUTIVE MATERIAL APPROVAL**

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

COATINGS, PAINTS & LININGS - FACTORY APPLIED PIPE & FITTINGS COATINGS.

5030

Resicoat factory applied, epoxy powder coatings. The coatings are electrostatically applied by spray onto a panel pre-heated for 15 minutes@225°C and then post cured for 15 minutes@220°C. For use with water up to 85°C. The following grades are manufactured at Germany, Reutlingen: Resicoat R4 blue: R4-ES HJ601R, R4-ES HJ605R, R4-ES HJ606R, R4-FB HJC03R, R4-FB HJC04R, R4-FB HJC06R, R4-FB HJC08R, R4-FB HJC12R PAM blue, R4-FB HJC23R, R4-FB HJC33R, R4-FB HJC34R, R4-FB HJC36R, R4-ES HJF01R, R4-ES HJF09R, R4-ES HJF10R, R4-ES HJF13R PAM blue, R4-ES HJF14R, R4-ES HJF21R, R4-ES HJF22R, R4-ES HJF23R, R4-ES HJF24R, R4-ES HJF26R, R4-ES HJF42R, R4-ES HJF47R, R4-ES HJG05R, R4-ES HJG07R, R4-ES HJG08R, R4-ES HJH01R. Resicoat R4 red/red-brown: R4-FB HGC07R, R4-FB HGC17R, R4-ES HGF03R, R4-ES HGF04R, R4-ES HGF10R, R4-ES HGF17R, R4-ES HGF20R, R4-ES HGH02R. Resicoat R4 black: R4-ES HNF04R & R4-FB HNC01R. Resicoat R4 green: R4-FB HKC71R. Resicoat R4 grey. Resicoat R8 blue: R8-ES HJF97R, R8-FB HJC37R & Resicoat R2 blue R2-ES HJF5BR. The following grades are manufactured at USA, Nashville: Resicoat R4 blue: R4-ES HJ606R, R4-ES HJF10R, R4-ES HJF24R & R4-ES HJF42R. Resicoat R4 red/red-brown: R4-FB HGC17R & R4-ES HGF17R. Resicoat R4 green: R4-ES HKF47R. The following grades are manufactured at China, Suzhou: Resicoat R4 blue: R4-FB HJC03R, R4-FB HJC06R, R4-FB HJC23R, R4-ES HJF01R, R4-ES HJF10R, R4-ES HJF13R, R4-ES HJF14R, R4-ES HJF22R, R4-ES HJF24R & R4-ES HJF42R. Resicoat R4 red/red-brown: R4-ES HGF03R, R4-ES HGF04R & R4-ES HGF17R. Resicoat R4 black: R4-ES HNF04R Resicoat R2 blue: R2-ES HJF5BR. The following grades are manufactured at Izmir, Turkey: Resicoat R2 blue: R2-ES HJF3D4 & R2-ES HJF4D4.

APPROVAL NUMBER: 1701509

APPROVAL HOLDER: AKZO NOBEL POWDER COATINGS GMBH

This is a re-approval of 1112500 which is valid between December 2011 and December 2016.

The Scheme reserves the right to review approval.

Approval 1701509 is valid between January 2017 and January 2022

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wras.co.uk/directory

Yours faithfully

A handwritten signature in black ink, appearing to read 'Jason Furnival', written in a cursive style.

Jason Furnival
Approvals & Enquiries Manager

WRAS MATERIAL APPROVAL - MATERIALS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY

The material referred to in this letter is suitable for contact with water for domestic purposes. **Approval of this material does not signify the approval of its mechanical or physical properties for any use.**

Manufacturers or applicants may only quote in their sales literature terms which are used in this letter, namely that; 'the material as listed, having passed the tests of effect on water quality, is suitable for use in contact with wholesome water'

This may be abbreviated to 'Water Regulations Advisory Scheme - Approved Material' or 'WRAS Approved Material'.

The scope of an Approval does not extend to rebranded materials unless otherwise agreed by the Scheme.

Use of the WRAS Approved Material Logo

Approval holders may use the WRAS Approved Material logo and make reference to any approval issued by WRAS Ltd. in respect of a particular material or range of materials provided the approval is, and remains valid.

Approval holders are entitled to use the logo on the packing, promotional literature and point of sale advertising Approved Materials.

Modifications to existing Approvals

It is a condition of WRAS Material Approval that NO changes or modifications to the Approved Material, be made without the Approval Holder first notifying WRAS Ltd. Full details of the proposed changes must be provided to the Scheme. Failure to comply with this condition will immediately invalidate a previously granted Approval.

Re-Approval

WRAS will write to you 1 year before the approval expires asking whether you would like to renew it. Please complete the relevant section of the MA3 application form which will be included with the letter and return to WRAS (via e-mail or post).

Please note it is the responsibility of the Approval Holder to ensure the Approval remains valid. WRAS Ltd. accepts no liability for the delay in granting approval where this is caused by circumstances outside of the Scheme's control.

Approval Number: 1805521
Test Report: MA6256/S



Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

23rd May 2018

Shanghai Kingsun Rubber Products Factory
No.28 Dongchen Road,
Dongchen Industrial Park,
Malu Town,
Jiading district,
Shanghai,
China, 201801

WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)
MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

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RUBBERS - ETHYLENE PROPYLENE DIENE MONOMER (EPDM) - MATERIAL ONLY.

5365

'Kingsun EP1702'. Black coloured, compression moulded EPDM rubber material. Shore hardness 70. Tested in-radius size 1.03mm. For use with water up to 65°C.

APPROVAL NUMBER: 1805521

APPROVAL HOLDER: SHANGHAI KINGSUN RUBBER PRODUCTS FACTORY

The Scheme reserves the right to review approval.
Approval 1805521 is valid between May 2018 and May 2023

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wras.co.uk/directory

Yours faithfully

A handwritten signature in black ink, appearing to read 'Jason Furnival', written in a cursive style.

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

WRAS MATERIAL APPROVAL - MATERIALS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY

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