

Our Ref: GH/M100188

30th July 2010

Frankische Rohrwerke
GEbruder Kirchner GmbH & Co KG
Hellinger Strabe 1
D-97486 Konigsberg
Germany

Dear Sir

WATER REGULATIONS ADVISORY SCHEME
"ITEMS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY - BS 6920"

We refer to your application for the material(s) described below to be approved arising from the results of the tests of effect on water quality that have been carried out on the product(s) so described, it has been decided that there is no objection to its/their use provided the source, nature and manufacturing processes of the ingredients and products are not changed. (See notes overleaf).

POLYETHYLENE - COMPONENTS

5240

Alpex-duo. White coloured, extruded, multilayered cross linked polyethylene pipe. For use up to 85°C.

Test Report: MAT/LAB 115C

1006504

FRANKISCHE ROHRWERKE

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

Your attention is drawn to the statement overleaf. Manufacturers or applicants may only quote in their sales literature terms which are used in this letter, namely that the product as listed, having passed the tests of effect on water quality, is suitable for use in contact with potable water and that a reference to the product will be included in the Materials section, Part Two, of the Water Fittings Directory on-line: this may be abbreviated to "Water Regulations Advisory Scheme - Approved Material" or "WRAS - Approved Material". **Approval of this product does not signify the approval of its mechanical or physical properties for any use.**

The Technical Committee of the Scheme reserves the right to review approval. This product automatically becomes due for audit reassessment in June 2015.

Yours faithfully



Gareth Harris
WRAS Approvals Administrator
Water Regulations Advisory Scheme

Frankische Rohrwerke
GEbruder Kirchner Gmbh & Co KG
Hellinger Strabe 1
D-97486 Konigsberg
Germany

Dear Sir/Madam

ALPEX-DUO - DIRECTORY REFERENCE NUMBER 1006504

This listing will appear in the Water Fittings Directory on-line.

Please visit our website www.wras.co.uk for further details.

Yours sincerely

A handwritten signature in purple ink, appearing to read 'G. Harris', with a long horizontal flourish extending to the right.

Gareth Harris
WRAS Approvals Administrator
Water Regulations Advisory Scheme

MATERIALS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY AND ARE USED IN THE MANUFACTURE OF WATER FITTINGS AND WATER INSTALLATIONS AND IN THEIR ASSEMBLY, CONNECTION, DISCONNECTION AND REPAIR.

The material or product referred to in this letter is suitable for contact with, and for the manufacture of components of water fittings for use in contact with water for domestic purposes. 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. Certain products are approved in the full knowledge that for many plastic materials and natural and synthetic rubbers, variations in curing times and temperatures may have a significant effect on water quality. The right is reserved to require the testing of components made from any of these materials before listing those components if the scheme has any reason to believe that they differ from the materials originally tested and listed.

Entries in the Directory on-line relating to components made from listed materials are included on the understanding that the components are made of precisely the same materials as the test samples without any modification and without the addition or substitution of any ingredients, and that, as applicable, the curing times and temperature shall be as nearly as possible those recommended by the manufacturers of the materials or products and used for the production of test samples.

In order to avoid their affecting water quality, materials must be allowed to cure at the correct temperature for the necessary length of time. This cannot always be achieved where materials are mixed on site, often in approximate proportions, and cured in situ often under cold, ill-ventilated conditions. Entries relating to products or products produced under properly controlled factory conditions, cannot be guaranteed to apply to site conditions.