



Product certificate K22771/02

Issued 2017-04-15

Replaces K22771/01

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Araldite AV 4415/HV 4416 Araldite AV 4415/HV 4416-1

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Product Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Huntsman Advanced Materials Ltd.

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with the Regeling materialen en chemicaliën drink- en warm tapwatervoorziening dated 01-04-2012 (Materials and chemicals in the supply of drinking water and warm tap water Regulation).

Luc Leroy
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

Araldite AV 4415/HV 4416 Araldite AV 4415/HV 4416-1

PRODUCT SPECIFICATION

This certificate covers Araldite AV 4415/HV 4416 and Araldite AV 4415/HV 4416-1, two-component epoxy resin adhesives consisting of a resin (AV 4415) and a hardener (HV 4416 or HV 4416-1).

APPROVAL

The products are approved on the basis of the requirements set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (Materials and chemicals in the supply of drinking water and warm tap water Regulation; published in the Government Gazette).

CRITERIA HYGIENIC ASPECTS

The product certification is based on two main criteria. It should permanently comply with the:

- product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa following the Kiwa approval procedure related to the hygienic aspects.
- specific product requirements (see "PRODUCT REQUIREMENTS HYGIENIC ASPECTS").

PRODUCT REQUIREMENTS HYGIENIC ASPECTS

For these products is relevant the positive list mentioned in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (published in the Government Gazette).

After 30 days the maximum tolerable concentration in the drinking water ($MTC_{\text{drinking water}}$) of the following substances or parameters may not exceed the numerical values mentioned behind.

- TOC 2 mg/l;
- Odour (TON) < 16;
- Flavour (TFN) < 16;
- Colour 10 mg/l Pt.

The remaining valid MTC's are, with respect to confidentiality, laid down in the non-public 'appendix hygienic aspects' to certificate K22771.

APPLICATION AND USE

Araldite AV 4415/HV 4416 and Araldite AV 4415/HV 4416-1 are used as adhesives for epoxy and polyester pipes for transport of potable water. The mixing ratio of the epoxy resin (AV 4415) and hardener (HV 4416 or HV 4416-1) is 100 : 50 (w/w).

MARKING


Design of the required Kiwa certification mark:

- "kiwa ", in ink or seal.

Location of the mark:

- On the packaging or on the delivery receipt.

Mandatory marks:

- "kiwa ";
- "Araldite AV 4415/HV 4416" or "Araldite AV 4415/HV 4416-1";
- "K22771".

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Huntsman Advanced Materials Ltd.
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's (processing) guidelines for the proper storage and transport methods.

Check whether this certificate is still valid by consulting www.kiwa.nl.