

Approval Number: 2001530
Test Report: J-00341185



5th February 2020

Corys Plastics Industries LLC.
Mussafah South,
ICAD III,
Plot 47SR37,
PO Box 4894,
Abu Dhabi,
UAE

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

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'.

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.

POLYPROPYLENE - COMPONENTS.

5260

'DACTAtherm PP-R 80 Green Pipe'. Green coloured, extruded polypropylene pipe. For use with water up to 85°C.

APPROVAL NUMBER: 2001530

APPROVAL HOLDER: CORYS PLASTICS INDUSTRIES LLC.

The Scheme reserves the right to review approval.

Approval 2001530 is valid between January 2020 and January 2025

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 'J Furnival', written in a cursive style.

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

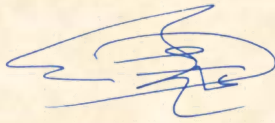
ATTESTATION OF CONFORMITY

ISSUED TO	: Hepwoth PME LLC
PRODUCT(S) DESCRIPTION	: DACTAtherm PP-R 80 Fittings'. Green coloured, injection moulded polypropylene fittings. For use with water up to 85°C.
MANUFACTURED BY	: CORYS PLASTICS INDUSTRIES LLC.
APPLICABLE STANDARD SPECIFICATIONS / REQUIREMENTS	: 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
CONFORMITY CERTIFICATE DETAILS	
CERTIFICATE NUMBER	: 2009516
CERTIFICATE TITLE	: MATERIAL APPROVAL
ISSUED BY	: WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)
ISSUED TO	: CORYS PLASTICS INDUSTRIES LLC.
EVALUATION REPORT NO	: RA21060132

ATTESTATION

Dubai Central Laboratory Department hereby attests that the product(s) described above conforms to the requirements of the applicable standard specifications / requirements.

This attestation is based solely on the review and verification of the validity and authenticity of the Product Conformity Certificate and as per Evaluation Report as mentioned above. **This attestation shall not be used when the Product Conformity Certificate becomes invalid at any time.**



ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager

Dubai Central Laboratory Department



Attestation No: VA21060103

Original Issue Date: 27/04/2021

Current Issue Date: 27/04/2021

Valid Up To : 26/04/2022

*This Attestation of Conformity is in accordance with Certification Scheme Type N as described in ISO/IEC 17067: 2012
"Conformity assessment – Fundamentals of product certification and guidelines for product certification schemes."*

*This Attestation is an electronic document and shall not be reproduced except in full. Any alteration shall invalidate this document.
The Evaluation Report mentioned above including its attachments forms an integral part of this Attestation.*

**DUBAI CENTRAL LABORATORY DEPARTMENT
VERIFICATION AND ATTESTATION SERVICE - EVALUATION REPORT**

VAS EVALUATION REPORT NO.	RA21060132
DATE:	27/04/2021
VAS APPLICATION NO.	AP21060146
APPLICANT NAME	Hepwoth PME LLC
PRODUCT DESCRIPTION	DACTAtherm PP-R 80 Fittings
MANUFACTURED BY	Corys Plastic Industries Sole Proprietorship LLC

DETAILS OF VERIFICATION AND EVALUATION:

DOCUMENT(S) VERIFIED	VERIFICATION DETAILS	RESULT	REMARKS
WRAS Approval Number: 2009516	Water Regulations Advisory Scheme Ltd (WRAS). Approval Number: 2009516 of Test Report: J-00366884	The Certificate of Conformity is valid and applicable to the product and the standard specification and the test report for DACTAtherm PP-R 80 Fittings'. Green coloured, injection moulded polypropylene fittings. For use with water up to 85°C.	Conforms to 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

FINAL RECOMMENDATION

It is hereby recommended to grant the Attestation Certificate to the applicant.

This recommendation is based on the full compliance with the requirements in the DM-DCLD-RD-DP33-6001 "General Rules for Verification and Attestation Service.

EVALUATED BY

(SGD*) Hamad Khalil Aljawi
Products Quality Engineer
Date: 27/04/2021

NOTED & APPROVED BY

(SGD*) NEDA MAHMOUD AL AWADHI
Head, Conformity Assessment Unit
Date: 27/04/2021

** This is an electronic document. No signatures are required.*

Attachments: WRAS approval number 2009516

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 2009516
Test Report: J-00366884 & J-00386572



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

25th May 2021

Corys Plastics Industries LLC.
Mussafah South,
ICAD III,
Plot 47SR37,
PO Box 4894,

**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'.

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.

POLYPROPYLENE- COMPONENTS.

5260

'DACTAtherm PP-R 80 Fittings'. Green coloured, injection moulded polypropylene fittings. For use with water up to 85°C.

APPROVAL NUMBER: 2009516

APPROVAL HOLDER: CORYS PLASTICS INDUSTRIES LLC.

The Scheme reserves the right to review approval.

Approval 2009516 is valid between September 2020 and September 2025

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.wrasapprovals.co.uk/approvals-directory/

Yours Faithfully

A handwritten signature in blue ink, appearing to read 'Ian Hughes', written over a horizontal line.

Ian Hughes
WRAS Approvals Manager

Approval Number 2105517
Test Report: J-00387171



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

3rd June 2021

Corys Plastics Industries LLC.
Mussafah South,
ICAD III,
Plot 47SR37,
PO Box 4894,
Abu Dhabi,
United Arab Emirates

**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'.

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.

POLYPROPYLENE- COMPONENTS.

5260

'DACTAtherm PP-R Fibreglass Pipe'.

Extruded, triple layered pipe comprising of a green coloured polypropylene inner layer, a translucent fibreglass middle layer and a green coloured polypropylene outer layer.

For use with water up to 85°C.

APPROVAL NUMBER: 2105517

APPROVAL HOLDER: CORYS PLASTICS INDUSTRIES LLC.

The Scheme reserves the right to review approval.
Approval 2105517 is valid between May 2021 and May 2026

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.wrasapprovals.co.uk/approvals-directory/

Yours Faithfully

A handwritten signature in blue ink, appearing to read 'Ian Hughes', with a stylized flourish at the end.

Ian Hughes
WRAS Approvals Manager



CERT

DVGW-Baumusterprüfzertifikat

DVGW type examination certificate

DW-8317DM0220

Registriernummer
registration number

Anwendungsbereich <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
Zertifikatinhaber <i>owner of certificate</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Vertreiber <i>distributor</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Produktart <i>product category</i>	Kunststoffrohre für die Trinkwasserinstallation: PP-R, SDR 6 (8317)
Produktbezeichnung <i>product description</i>	Kunststoffrohre für die Trinkwasserinstallation aus PP-R
Modell <i>model</i>	DACTAtherm (DN 75 - 160 mm)
Prüfberichte <i>test reports</i>	Baumusterprüfung: 201899/19-II vom 01.06.2021 (SKZ) UBA-Leitlinie/BWGL: 2001551 / 11725 / 1H vom 26.05.2025 (ÖFI) Mikrobiologische Prüfung: 207592/19 vom 14.10.2020 (SKH)
Prüfgrundlagen <i>test basis</i>	DVGW W 544 (01.05.2007) UBA KTW-BWGL (09.03.2021) DVGW W 270 (01.11.2007)
Ablaufdatum / AZ <i>date of expiry / file no.</i>	01.06.2026 / 19-0653-WNE

730239-04-A-DE

04.06.2021 GI A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body

J. Schmidt



Deutsche
Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Typ <i>type</i>	Technische Daten <i>technical data</i>	Bemerkungen <i>remarks</i>
DACTAtherm	Fertigungsgruppe: 2	Abmessungen: 75 - 160 mm



CERT

DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DW-8317DM0220

Registration Number
Registriernummer

Field of Application <i>Anwendungsbereich</i>	products of water supply <i>Produkte der Wasserversorgung</i>
Owner of Certificate <i>Zertifikatinhaber</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Distributor <i>Vertreiber</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Product Category <i>Produktart</i>	plastic pipes for drinking water installations: PP-R, SDR 6 (8317)
Product Description <i>Produktbezeichnung</i>	plastic pipes (PP-R) for drinking water installations
Model <i>Modell</i>	DACTAtherm (DN 75 - 160 mm)
Test Reports <i>Prüfberichte</i>	type testing: 201899/19-II from 01.06.2021 (SKZ) UBA-Guideline: 2001551 / 11725 / 1H from 26.05.2025 (ÖFI) hygienic testing: 207592/19 from 14.10.2020 (SKH)
Test Basis <i>Prüfgrundlagen</i>	DVGW W 544 (01.05.2007) UBA KTW-BWGL (09.03.2021) DVGW W 270 (01.11.2007)

Date of Expiry / File No. 01.06.2026 / 19-0653-WNE
Ablaufdatum / Aktenzeichen

04.06.2021 GI A-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle



Deutsche
Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Type <i>Typ</i>	Technical Data <i>Technische Daten</i>	Remarks <i>Bemerkungen</i>
DACTAtherm	manufacturing group: 2	diameters: 75 - 160 mm



DVGW-Baumusterprüfzertifikat

DVGW type examination certificate

DW-8317DM0219

Registriernummer
registration number

Anwendungsbereich <i>field of application</i>	Produkte der Wasserversorgung <i>products of water supply</i>
Zertifikatinhaber <i>owner of certificate</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Vertreiber <i>distributor</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Produktart <i>product category</i>	Kunststoffrohre für die Trinkwasserinstallation: PP-R, SDR 6 (8317)
Produktbezeichnung <i>product description</i>	Kunststoffrohre für die Trinkwasserinstallation aus PP-R
Modell <i>model</i>	DACTAtherm (DN 10 - 63 mm)
Prüfberichte <i>test reports</i>	Baumusterprüfung: 201899/19-II vom 01.06.2021 (SKZ) UBA-Leitlinie/BWGL: 2001551 / 11725 / 1H vom 26.05.2025 (ÖFI) Mikrobiologische Prüfung: 207592/19 vom 14.10.2020 (SKH)
Prüfgrundlagen <i>test basis</i>	DVGW W 544 (01.05.2007) UBA KTW-BWGL (09.03.2021) DVGW W 270 (01.11.2007)
Ablaufdatum / AZ <i>date of expiry / file no.</i>	01.06.2026 / 19-0653-WNE

04.06.2021 GI A-1/2

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body



Deutsche
Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Typ <i>type</i>	Technische Daten <i>technical data</i>	Bemerkungen <i>remarks</i>
DACTAtherm	Fertigungsgruppe: 1	Abmessungen: 10 - 63 mm



CERT

DVGW type examination certificate

DVGW-Baumusterprüfzertifikat

DW-8317DM0219

Registration Number
Registriernummer

Field of Application <i>Anwendungsbereich</i>	products of water supply <i>Produkte der Wasserversorgung</i>
Owner of Certificate <i>Zertifikatinhaber</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Distributor <i>Vertreiber</i>	Corys Plastic Industries LLC Mussafah ICAD III, Plot 47SR37, UAE- Abu Dhabi
Product Category <i>Produktart</i>	plastic pipes for drinking water installations: PP-R, SDR 6 (8317)
Product Description <i>Produktbezeichnung</i>	plastic pipes (PP-R) for drinking water installations
Model <i>Modell</i>	DACTAtherm (DN 10 - 63 mm)
Test Reports <i>Prüfberichte</i>	type testing: 201899/19-II from 01.06.2021 (SKZ) UBA-Guideline: 2001551 / 11725 / 1H from 26.05.2025 (ÖFI) hygienic testing: 207592/19 from 14.10.2020 (SKH)
Test Basis <i>Prüfgrundlagen</i>	DVGW W 544 (01.05.2007) UBA KTW-BWGL (09.03.2021) DVGW W 270 (01.11.2007)

Date of Expiry / File No. 01.06.2026 / 19-0653-WNE
Ablaufdatum / Aktenzeichen

04.06.2021 GI A-1/2

Date, Issued by, Sheet, Head of Certification Body
Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle



Deutsche
Akkreditierungsstelle
D-ZE-16028-01-05

DVGW CERT GmbH
Zertifizierungsstelle

Josef-Wirmer-Str. 1-3
53123 Bonn

Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 993

www.dvgw-cert.com
info@dvgw-cert.com

Type	Technical Data	Remarks
Typ	Technische Daten	Bemerkungen
DACTAtherm	manufacturing group: 1	diameters: 10 - 63 mm

SKZ - Testing GmbH awards the following company

Corys Plastic Industries LLC
Mussafah
ICAD III, Plot 47SR37
18570 ABU DHABI
UNITED ARAB EMIRATES

Production site: Corys Plastic Industries LLC, UAE-18570 ABU DHABI

*the right to use the **SKZ** testing and inspection mark*



A 821

for the following plastic products

Pressure pipes made of PP-R

Trade name: DACTAtherm

SKZ specification for tests and inspection HR 3.10:2016-03

*Users of the **SKZ** mark are obliged to observe the required regulations for the production and testing of these products.*

Date of initial certification: ---

Date of expiry: 16 December 2025

Würzburg, 17 December 2020



i.V. 

*Dipl.-Ing. Hans-Peter Krause
Head of Certification Body*

The original language of this certificate is German. In case of doubt, the German version is obligatory.

SKZ - Testing GmbH, Friedrich-Bergius-Ring 22, 97076 Würzburg, Germany, Tel. +49 931 4104-0, testing@skz.de, www.skz.de

ZERTIFIKAT

SKZ

Die **SKZ** - Testing GmbH verleiht der Firma

**Corys Plastic Industries -
Sole Proprietorship L.L.C
Mussafah
ICAD III, Plot 47SR37
18570 ABU DHABI
Vereinigte Arabische Emirate**

Produktionsstandort: Corys Plastic Industries – Sole Proprietorship L.L.C,
UAE-18570 ABU DHABI

das Recht zum Führen des **SKZ** Prüf- und Überwachungszeichens



A 837

für nachstehende Kunststoffserzeugnisse

**Formteile aus Polypropylen PP-R,
Gruppe: 1 ($\leq \varnothing$ 63 mm) und Gruppe 2 (\varnothing 75 mm bis 225 mm)**

Handelsname: DACTAtherm

Nach den **SKZ** Prüf- und Überwachungsbestimmungen **HR 3.10:2016-03**

Mit der Führung des **SKZ** Zeichens ist die Verpflichtung verbunden, bei der Herstellung und Prüfung der Erzeugnisse die vorgeschriebenen Bestimmungen einzuhalten.

Erstzertifizierung: ---

Gültig bis: 9. Dezember 2026

Würzburg, 10. Dezember 2021



i.V.

Dipl.-Ing. Hans-Peter Krause
Leiter der Zertifizierungsstelle

Approval Number 2009516
Test Report: J-00366884 & J-00386572



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

25th May 2021

Corys Plastics Industries LLC.
Mussafah South,
ICAD III,
Plot 47SR37,
PO Box 4894,

**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'.

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.

POLYPROPYLENE- COMPONENTS.

5260

'DACTAtherm PP-R 80 Fittings'. Green coloured, injection moulded polypropylene fittings. For use with water up to 85°C.

APPROVAL NUMBER: 2009516

APPROVAL HOLDER: CORYS PLASTICS INDUSTRIES LLC.

The Scheme reserves the right to review approval.

Approval 2009516 is valid between September 2020 and September 2025

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.wrasapprovals.co.uk/approvals-directory/

Yours Faithfully

A handwritten signature in blue ink, appearing to read 'Ian Hughes', written over a horizontal line.

Ian Hughes
WRAS Approvals 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.