



WARRANTY CERTIFICATE

SharkBite NEXUS

for SharkBite NEXUS system in Plumbing and Heating installations

Building owner:

Project name:

Installation company:

Installation completed on:

Installation launched in:

The **installation company** confirms that the indicated project has been installed and put into operation with **SharkBite NEXUS** system of **RWC EUROPE**, being installed and commissioned according to the instructions of RWC, as well as to the assembly instructions and technical documentation of **RWC EUROPE**.

Installation Company
Signature & stamp

Place and Date

RWC's Distributor
Signature & stamp

Place and Date

RELIANCE WORLDWIDE CORPORATION EUROPE S.L.

Warranty Certificate number (*):

Date, signature and stamp:

(* to be filled in by RWC EUROPE

Warranty conditions - see overleaf

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RWC EUROPE assumes the warranty against the installation company, as long as the owner enforces his rights.

This warranty statement is valid only if it has been duly completed and signed and after the **RWC EUROPE** office has assigned the corresponding warranty certificate number.

To be ratified by **RWC EUROPE**, this declaration must be sent by email within three months after the installation's launch to **RWC EUROPE** via email: info.europe@rwc.com

This limited warranty shall expire in: **Ten (10) years** from the launch of the installation, **RWC EUROPE** takes responsibility up to a maximum amount of **Twenty Five million US Dollar - \$ 25.000.000 per claim.**

RWC EUROPE must receive written notice of the claim within warranty period and within ten (10) days of the incident.

Emergency repairs that may be performed by the owners or the installer without the corresponding written notice to **RWC EUROPE**, will not imply recognition of liability on the part of **RWC EUROPE**. **RWC EUROPE** should be provided with any materials or documents on possible causes, including affected fittings and pipes. In the case of pipes, samples must show all original marking. In the case of accessories, protective bags will be provided if possible.

RWC EUROPE will repair or replace any pipe or accessories that have proven defective.

SCOPE OF WARRANTY

We warrant that **SharkBite NEXUS** are produced in accordance with ISO 9001:2015 Quality Management procedures and are manufactured according to ISO 15875 - ISO 21003 and ISO 22391

RWC EUROPE guarantees the quality of its products free from manufacturing defects during the warranty period.

In addition, if the product is found to be defective due to a manufacturing defect, **RWC EUROPE** assumes the warranty and responsibility for a period of 10 years from the launch of the installation.

RWC EUROPE shall activate this warranty if the project owner claims against the installation company for direct damages suffered or incurred as a result of a defective product.

Any claim made during the warranty period shall not extend the general period of coverage.

Any warranty claim made during the warranty period shall not extend the overall period of warranty coverage.

CONDITIONS

The guarantee is assumed under the condition that no more than 10 years elapse between the launch of the installation and the accident.

Apart from this, the guarantee is valid only if the guarantee certificate and pressure test protocols duly completed and signed have been sent to **RWC EUROPE** within the maximum period of 3 months from the launch of the installation.

The warranty does not cover products not manufactured by **RWC EUROPE** except those authorized and agreed by **RWC EUROPE** in writing.

The warranty has no effect if the installation has not been carried out in accordance with the instructions for use of **RWC EUROPE** and according to the technical documentation.

The installation must have been carried out by a specialized and authorized company. The guarantee excludes damages caused by external factors (perforated pipes, frost damage, etc.), as well as errors or installation defects caused by the installer.

If possible damage is detected, it must be offered to **RWC EUROPE** in a maximum of 8 days from the accident and always before commencing repair actions.

If this is omitted, the guarantee will be void.

The interim measures taken by **RWC EUROPE** to minimize damage does not imply recognition of liability.

RWC Europe's responsibility covers the cost-free replacement of products manufactured by RWC Europe that are damaged and could be attributed to manufacturing defects.

RWC EUROPE assumes damage caused by accessing defective fittings or piping. Repair work necessary to restore the condition before the accident is also covered.

Compensation is excluded for the inability to use or loss of production, the stoppage of exploitation, depreciation and other indirect damages.

In order to enforce the rights covered by this warranty, the holder must present the certificate of guarantee duly completed.

RWC EUROPE reserves the right to order repair or rehabilitation actions from specialized companies of their choice.

The use of the guarantee during the validity period does not imply extension of the warranty. Any verbal agreements are not valid.

CLAIM PROCEDURE

Contact your **RWC EUROPE** distributor or the **RWC EUROPE** local sales office where you purchased the product, to begin the claim procedure.



PRESSURE TEST PROTOCOL FOR COLD & HOT WATER PLUMBING, RADIATOR HEATING and FAN COILS APPLICATIONS

PRESSURE TEST INSTRUCTIONS (Water)

OP-023/03-EN

Location of the installation:

Project's name:

Application:

Plumbing

Radiator Heating

Fan Coils

Other (indicate which)

TEST

Fill the installation with water to build up pressure at **3 bar** during **1 hour** and visually verify that there are no leaks.

Increase the pressure to **15 bar** during the next **24 hours**.

When the installation has been made with SharkBite NEXUS, it is normal to have pressure drops of more than 5 bar, depending on the number of joints installed. For this reason, it should be checked visually at low and high pressure.

INSTALLED SYSTEM

Pipe:

Commercial Brand

Fitting:

Commercial Brand

Diameters:

Ø 16

Ø 20

Ø 25

Ø 32

CONFIRMATION

Person in charge:

Date of the test:

From (hh:mm):

Until (hh:mm):

Installer company name:

Legal address of the installation company:

Pressure test:

3 bar during 1 hour

Water leaks ? - YES

NO

Pressure test:

15 bar during 24 hours

Water leaks ? - YES

NO

Loss of pressure at the end of the test:

bar

Final result of the test:

OK

NOT OK

Installer company
Signature & Stamp

CAUTION

If the ambient temperature is below 0° C with possibility of freezing, we do not recommend performing the pressure test with water. In this case it will be necessary to perform the test with Compressed Air (see the next page).



PRESSURE TEST PROTOCOL FOR COLD & HOT WATER PLUMBING, RADIATOR HEATING and FAN COILS APPLICATIONS

PRESSURE TEST INSTRUCTIONS (Air)

OP-023/03-EN

Location of the installation:

Project's name:

Application:

Plumbing

Radiator Heating

Fan Coils

Other (indicate which)

TEST

Fill the installation with air to build up pressure at **0,5 bar** during **2 hours**.

Increase the air pressure to **3 bar** during **10 min**.

INSTALLED SYSTEM

Pipe:

Commercial Brand

Fitting:

Commercial Brand

Diameters:

Ø 16

Ø 20

Ø 25

Ø 32

CONFIRMATION

Person in charge:

Date of the test:

From (hh:mm):

until (hh:mm):

Installer company name:

Legal address of the installation company:

Pressure test: **0,5 bar** during **2 hours**

Loss of pressure - YES

NO

Pressure test: **3 bar** during **10 min**

Loss of pressure - YES

NO

Final result of the test:

OK

NOT OK

Installer company
Signature & Stamp

CAUTION

The compressor equipment must guarantee that the pressure indicated in the test is not exceeded. If the use of compressed air is not controlled, there is a risk of bursting the operation of air compression.

The manometer used must have an accuracy of 1 mbar.



OP-023/04-EN



WARRANTY CERTIFICATE

SharkBite PRESS

for SharkBite NEXUS system in Plumbing and Heating installations.

Building owner:

Project name:

Installation company:

Installation completed on:

Installation launched in:

The **installation company** confirms that the indicated project has been installed and put into operation with **SharkBite PRESS** system of **RWC EUROPE**, being installed and commissioned according to the instructions of RWC, as well as to the assembly instructions and technical documentation of **RWC EUROPE**.

*Installation Company
Signature & stamp*

Place and date

*RWC's Distributor
Signature & stamp*

Place and date

RELIANCE WORLDWIDE CORPORATION EUROPE S.L.

Warranty Certificate number (*):

Date, signature and stamp:

(* to be filled in by RWC EUROPE

Warranty conditions - see overleaf

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This limited warranty shall expire in: **Ten (10) years** from the launch of the installation, **RWC EUROPE** takes responsibility up to a maximum amount of **Twenty Five million US Dollar - \$ 25.000.000 per claim.**

RWC EUROPE must receive written notice of the claim within warranty period and within ten (10) days of the incident.

Emergency repairs that may be performed by the owners or the installer without the corresponding written notice to **RWC EUROPE**, will not imply recognition of liability on the part of **RWC EUROPE**. **RWC EUROPE** should be provided with any materials or documents on possible causes, including affected fittings and pipes. In the case of pipes, samples must show all original marking. In the case of accessories, protective bags will be provided if possible.

RWC EUROPE will repair or replace any pipe or accessories that have proven defective.

SCOPE OF WARRANTY

We warrant that **SharkBite PRESS** are produced in accordance with ISO 9001:2015 Quality Management procedures and are manufactured according to ISO 15875 - ISO 21003 and ISO 22391

RWC EUROPE guarantees the quality of its products free from manufacturing defects during the warranty period.

In addition, if the product is found to be defective due to a manufacturing defect, **RWC EUROPE** assumes the warranty and responsibility for a period of 10 years from the launch of the installation.

RWC EUROPE shall activate this warranty if the project owner claims against the installation company for direct damages suffered or incurred as a result of a defective product.

Any claim made during the warranty period shall not extend the general period of coverage.

Any warranty claim made during the warranty period shall not extend the overall period of warranty coverage.

CONDITIONS

The guarantee is assumed under the condition that no more than 10 years elapse between the launch of the installation and the accident.

Apart from this, the guarantee is valid only if the guarantee certificate and pressure test protocols duly completed and signed have been sent to **RWC EUROPE** within the maximum period of 3 months from the launch of the installation.

The warranty does not cover products not manufactured by **RWC EUROPE** except those authorized and agreed by **RWC EUROPE** in writing.

The warranty has no effect if the installation has not been carried out in accordance with the instructions for use of **RWC EUROPE** and according to the technical documentation.

The installation must have been carried out by a specialized and authorized company. The guarantee excludes damages caused by external factors (perforated pipes, frost damage, etc.), as well as errors or installation defects caused by the installer.

If possible damage is detected, it must be offered to **RWC EUROPE** in a maximum of 8 days from the accident and always before commencing repair actions.

If this is omitted, the guarantee will be void.

The interim measures taken by **RWC EUROPE** to minimize damage does not imply recognition of liability.

RWC Europe's responsibility covers the cost-free replacement of products manufactured by RWC Europe that are damaged and could be attributed to manufacturing defects.

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Compensation is excluded for the inability to use or loss of production, the stoppage of exploitation, depreciation and other indirect damages.

In order to enforce the rights covered by this warranty, the holder must present the certificate of guarantee duly completed.

RWC EUROPE reserves the right to order repair or rehabilitation actions from specialized companies of their choice.

The use of the guarantee during the validity period does not imply extension of the warranty. Any verbal agreements are not valid.

CLAIM PROCEDURE

Contact your **RWC EUROPE** distributor or the **RWC EUROPE** local sales office where you purchased the product, to begin the claim procedure.



PRESSURE TEST PROTOCOL FOR COLD & HOT WATER PLUMBING, RADIATOR HEATING and FAN COILS APPLICATIONS

PRESSURE TEST INSTRUCTIONS (Water)

OP-023/04-EN

Location of the installation:

Project's name:

Application:

Plumbing

Radiator Heating

Fan Coils

Other (indicate which)

TEST

Fill the installation with water to build up pressure at **3 bar** during **1 hour** and visually verify that there are no leaks.

Increase the pressure to **15 bar** during the next **24 hours**.

When the installation has been made with **SharkBite PRESS**, it is normal to have pressure drops of more than **2 bar**, depending on the number of joints installed. For this reason, it should be checked visually at low and high pressure.

INSTALLED SYSTEM

Pipe:

Commercial Brand

Fitting:

Commercial Brand

Diameters:

Ø 16

Ø 20

Ø 25

Ø 26

Ø 32

CONFIRMATION

Person in charge:

Date of the test:

From (hh:mm):

Until (hh:mm):

Installer company name:

Legal address of the installation company:

Pressure test:

3 bar during **1 hour**

Water leaks ? - YES

NO

Pressure test:

15 bar during **24 hours**

Water leaks ? - YES

NO

Loss of pressure at the end of the test:

bar

Final result of the test:

OK

NOT OK

Installer company
Signature & Stamp

CAUTION

If the ambient temperature is below 0° C with possibility of freezing, we do not recommend performing the pressure test with water. In this case it will be necessary to perform the test with Compressed Air (see the next page).



PRESSURE TEST PROTOCOL FOR COLD & HOT WATER PLUMBING, RADIATOR HEATING and FAN COILS APPLICATIONS

PRESSURE TEST INSTRUCTIONS (Air)

OP-023/04-EN

Location of the installation:

Project's name:

Application:

Plumbing

Radiator Heating

Fan Coils

Other (indicate which)

TEST

Fill the installation with air to build up pressure at **0,5 bar** during **2 hours**.

Increase the air pressure to **3 bar** during **10 min**.

INSTALLED SYSTEM

Pipe:

Commercial Brand

Fitting:

Commercial Brand

Diameters:

Ø 16

Ø 20

Ø 25

Ø 26

Ø 32

CONFIRMATION

Person in charge:

Date of the test:

From (hh:mm):

Until (hh:mm):

Installer company name:

Legal address of the installation company:

Pressure test: **0,5 bar** during **2 hours**

Loss of pressure - YES

NO

Pressure test: **3 bar** during **10 min**

Loss of pressure - YES

NO

Final result of the test:

OK

NOT OK

Installer company
Signature & Stamp

CAUTION

The compressor equipment must guarantee that the pressure indicated in the test is not exceeded. If the use of compressed air is not controlled, there is a risk of bursting the operation of air compression.

The manometer used must have an accuracy of 1 mbar.



WARRANTY CERTIFICATE

SharkBite FLOOR

for SharkBite FLOOR system in Underfloor Heating installations.

Building owner:

Project name:

Installation company:

Project/Engineering office:

Floor and paving company:

Installation completed on:

Installation launched in:

The **installation company** confirms that the indicated project has been installed and put into operation with **SharkBite FLOOR**, being installed according to the technical and assembly recommended by **RWC EUROPE**.

Installation Company
Signature & Stamp

Place & Date

RWC's Distributor
Signature & Stamp

Place & Date

RELIANCE WORLDWIDE CORPORATION EUROPE S.L.

Warranty Certificate number (*): Date, Signature & Stamp:

(*): to be filled in by RWC EUROPE

Warranty conditions - see overleaf



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RWC EUROPE will repair or replace any pipe or accessories that have proven defective.

SCOPE OF WARRANTY

RWC EUROPE guarantees that **SharkBite FLOOR** is produced in accordance with ISO 9001:2015 Quality Management and is manufactured according to ISO 15875 - ISO 21003 - ISO 22391 and UNE EN 1264.

RWC EUROPE guarantees the quality of its products free from manufacturing defects during the warranty period.

In addition, if the product is found to be defective due to a manufacturing defect, **RWC EUROPE** assumes the warranty and responsibility for a period of 10 years from the launch of the installation.

RWC EUROPE shall activate this warranty if the project owner claims against the installation company for direct damages suffered or incurred as a result of a defective product.

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The warranty has no effect if the installation has not been carried out in accordance with the instructions for use of **RWC EUROPE** and according to the technical documentation.

The installation must have been carried out by a specialized and authorized company. The guarantee excludes damages caused by external factors (perforated pipes, frost damage, etc.), as well as errors or installation defects caused by the installer.

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RWC Europe's responsibility covers the cost-free replacement of products manufactured by RWC Europe that are damaged and could be attributed to manufacturing defects.

RWC EUROPE assumes damage caused by accessing defective fittings or piping. Repair work necessary to restore the condition before the accident is also covered.

Compensation is excluded for the inability to use or loss of production, the stoppage of exploitation, depreciation and other indirect damages.

In order to enforce the rights covered by this warranty, the holder must present the certificate of guarantee duly completed.

RWC EUROPE reserves the right to order repair or rehabilitation actions from specialized companies of their choice.

The use of the guarantee during the validity period does not imply extension of the warranty. Any verbal agreements are not valid.

CLAIM PROCEDURE

Contact your **RWC EUROPE** distributor or the **RWC EUROPE** local sales office where you purchased the product, to begin the claim procedure.



PRESSURE TEST CONTROL PROTOCOL FOR UNDERFLOOR HEATING

PRESSURE TEST INSTRUCTIONS

Pressure Test Protocol for Underfloor Heating in accordance to norm EN 1264-4

OP-023/05-EN

Location of the installation:

Project's name:

The piping circuits must be subjected to a pressure test together with the manifold before the final launch of the installation.

Only the pipes and the manifold can be subject to the pressure and leak test.

Devices such as expansion vessels, balancing valves and other system components cannot be tested simultaneously.

The system must be filled with water and purged until no air is left.

If there is a danger of freezing, one of the following measures should be taken: Heat the building or use **antifreeze agents**.

TEST

Pipe:

SharkBite PEXa EVOH

SharkBite PERT EVOH

SharkBite MULTILAYER

Diameters:

Ø 16

Ø 17

Ø 20

Ø 25

Ø 32

Added antifreeze:

YES

NO

Quantity

Concentration

Pressure Test:

Pressure test will be **6 bar**. If there is a pressure drop higher than 1.2 bar (a 20° C), the pressure test must be repeated

Time Test:

The duration of the test will be **120 minutes**.

Water Volumen:

litres -

Pressure test:

bar -

Time test:

minutes

CONFIRMATION

The visual inspection of the system has been completed.

No pressure drop was observed during the test period.

The piping system has proven to be watertight.

Test result:

OK

No OK

Installer Company

Signature & Stamp

CAUTION

* The manometers must be able to measure the pressure with a precision of 0.1 bar, conform to standard UNE EN 1264