QDEK®
roofing adhesive

A BRAND OF
QUIN GLOBAL ADHESIVE INNOVATORS

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Kingspan
OPTIM-R®


QDEK®
roofing adhesive

# 9000 & 9001

## Contact Adhesives for Kingspan OPTIM-R® Panels

# 57% Faster.
# 100% Safer.

The **QDEK®** concept was conceived by a forward-thinking chemist who saw the need for a faster and cleaner process in the installation of flat roofing membrane. Traditional bucket-and-roller application of contact adhesive is very slow, messy and labor-intensive. **QDEK®** was developed as a fast, high coverage, and clean alternative to traditional single ply membrane adhesives. All that is required for a worker to apply **QDEK®** successfully is the ability to use a spray gun and a basic understanding of coverage & coat weights.

All the products that are part of our **QDEK®** range are 57% faster than the old system of a roller and bucket and are a 100% safer than using hotworks and are also guaranteed coverage with zero wastage.

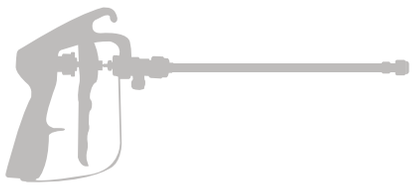
# The QDEK® System.

## CANISTER

| | |
|---|---|
| Volume: | 22 litre |
| Size: | 310mm x 450mm |
| Weight: | 23 KG |

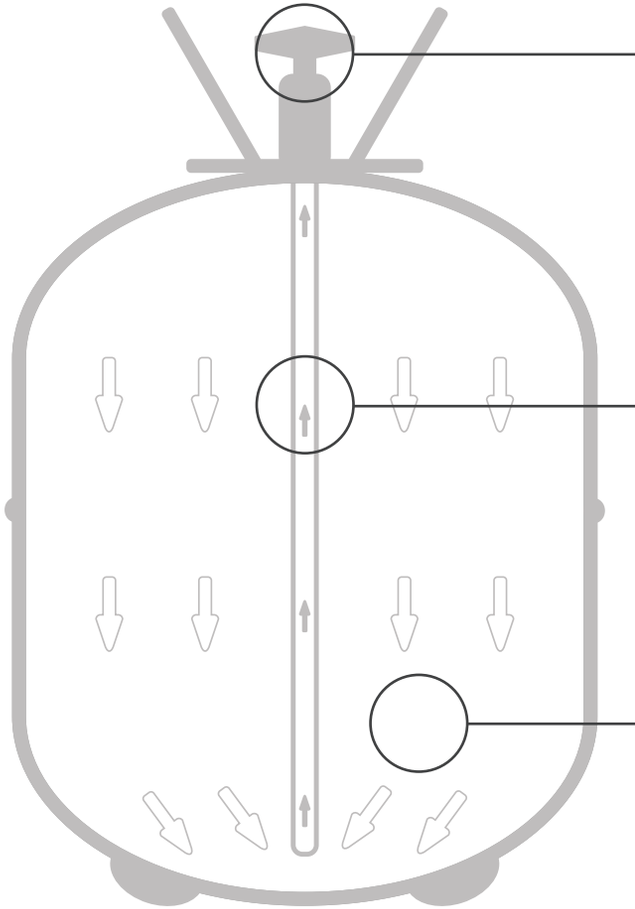
## QDEK® DETAIL GUN

The **QDEK®** Detail Gun is designed for applying adhesive onto smaller areas like parapets or upstands, where close attention to adhesive coat weight is critical, prior to the bonding of waterproofing membrane or self-adhesive VCL's.



## QDEK® FIELD GUN

The **QDEK®** Field gun is designed for applying adhesive across large field areas. The long wand eliminates the need for users to bend/kneel down whilst applying adhesive, therefore removing strain on the back and knees and allowing for a comfortable experience during adhesive application.



### VALVE

Controls the flow of adhesive from the canister.

### DIP TUBE

Reaches to the bottom of the canister to ensure that every drop of adhesive is used.

### ADHESIVE & GAS MIX

Engineered with care and precision with intent to be the very best in the world. Pressurised gas is designed to propel the adhesive out of the system.


# QDEK® 9000

## Self Adhesive Membrane Primer for Kingspan OPTIM-R® Panels

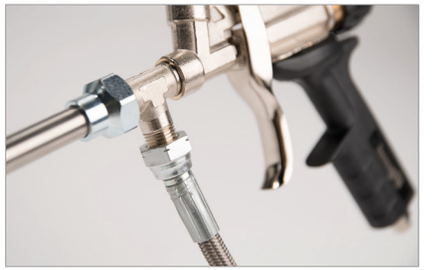
**QDEK® 9000** is a solvent based primer based on synthetic rubber and resins, and is specifically designed for use with Kingspan Optim-R® panels. **QDEK® 9000** Surface Primer can be applied to metallic substrates, bituminous materials, wood based materials, and insulation boards. **QDEK® 9000,** once applied to the roof deck, is dry within 1-2 minutes, and can be walked on without transfer to the soles of safety boots.

### ADVANTAGES

- Works with all Self adhesive PVC, TPO and Bitumnious Membranes
- EPS compatible
- Non-MECL
- Walk on primed surface immediately
- Controllable and adjustable spray application

### COLOUR:

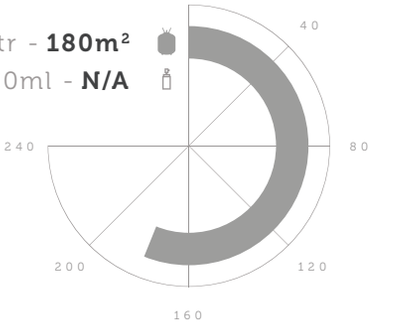
Black



## TECHNICAL DATA

### SQUARE METRE COVERAGE (m²):

22ltr - **180m²**
500ml - **N/A**




### APPLICATION TYPE:

2 sided

### OPEN TIME*:

60 mins

### FLASH-OFF TIME**:

2 mins

### SPRAY TYPE:

Web Spray

### GUN TYPE:

Detail Gun

Field Gun

### HOSE TYPE:

4m Black Rubber

8m Black Rubber


# QDEK® 9001

## Contact Adhesive for Membrane and Kingspan OPTIM-R® Panels

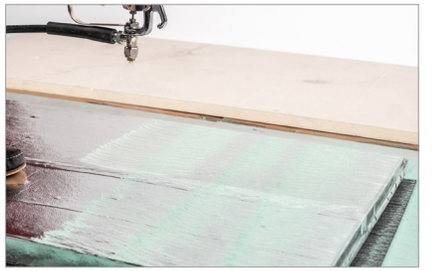
**QDEK® 9001** is a solvent based primer based on synthetic rubber and resins, and is specifically designed for use with all self-adhesive membranes and vapour barriers. **QDEK® 9001** Surface Primer can be applied to metallic substrates, bituminous materials, wood based materials, and insulation boards. **QDEK® 9001,** once applied to the roof deck is dry within 1-2 minutes, and can be walked on without transfer to the soles of safety tools.

### ADVANTAGES:

- Works with all Self adhesive PVC, TPO and Bitumnious Membranes
- EPS compatible
- Non-MECL
- Walk on primed surface immediately
- Controllable and adjustable spray application

### COLOUR:

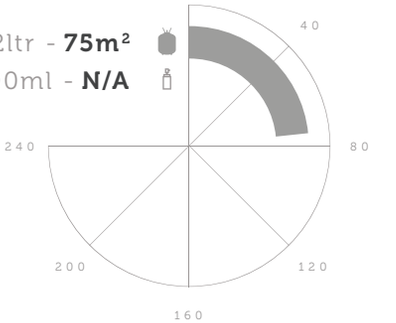
Clear



# TECHNICAL DATA

### SQUARE METRE COVERAGE (m²):

22ltr - **75m²**
500ml - **N/A**




### APPLICATION TYPE:

2 sided

### OPEN TIME*:

30 mins

### FLASH-OFF TIME**:

2 mins

### SPRAY TYPE:

Web Spray

### GUN TYPE:

Detail Gun

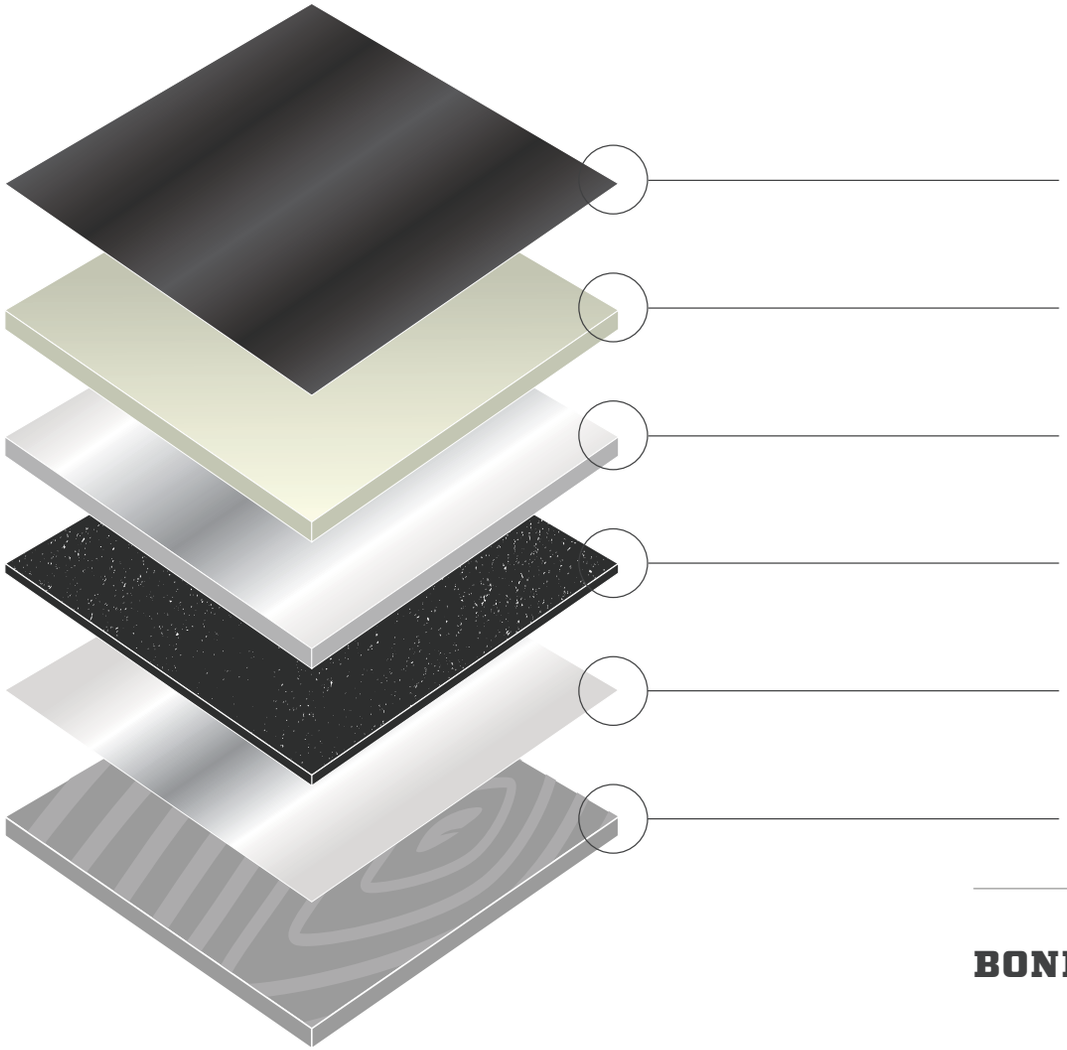
Field Gun

### HOSE TYPE:

4m Black Rubber

8m Black Rubber

# The Buildup.



| SUBSTRATE | ADHESIVE | SPRAY TYPE |
|---|---|---|
| EPDM Membrane | QDEK 9001 | |
| Kingspan Thermaroof TR27 LPC/FM or Kingspan Thermataper TT47 LPC/FM | QDEK 9001 | |
| Kingspan OPTIM-R® | QDEK 9001 | |
| Rubber Crumb | QDEK 9001 | |
| Foil VCL | QDEK 9000 | |
| Deck | N/A | N/A |

## BONDING MATRIX

| | Gun | Hose | Nozzle | Cleaner | Self Adhesive Foil VCL to Meta | Self Adhesive Foil VCL to Plywood | Self Adhesive Foil VCL to Concrete | Rubber Crumb to Foil VCL | Kingspan Optim-R® Roofing Insulation to Rubber Crumb | Optim-R® Roofing Insulation to Optim-R® Roofing Insulation |
|---|---|---|---|---|---|---|---|---|---|---|
| **9000** | ◈ ◇ | ○ ⊜ | ⬗ | ● | ● | ● | ● | | | |
| **9001** | ◈ ◇ | ○ ⊜ | ⬗ | ● | | | | ● | ● | ● |

**Guns**
- ◈ QDEK Field Gun
- ◇ QDEK Detail Gun

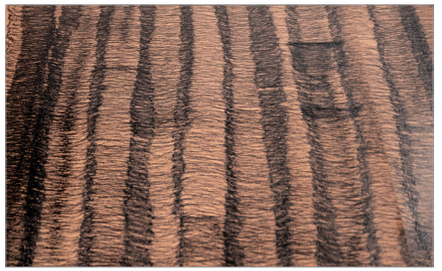
**Hoses**
- ○ 4m Black Rubber
- ⊜ 8m Black Rubber

**Nozzles**
- ⬗ 8002

# Directions For Use - 9000

Apply **QDEK® 9000** Self Adhesive primer to the roof deck only

Hold spray gun at 90 degrees to the deck, and 6-8 inches from the surface.



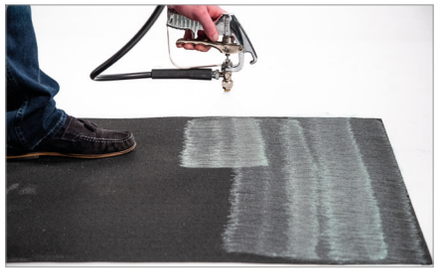
Apply a uniform coat of primer to obtain 80% to 100% coverage on the surface. Allow the primer to tack off for approx. 1-2 mins (dependant on conditions) until no primer transfers to the knuckle when touched.

Place the self-adhesive VCL onto the deck and position correctly. Remove the release film from underneath the VCL in sections at a time.

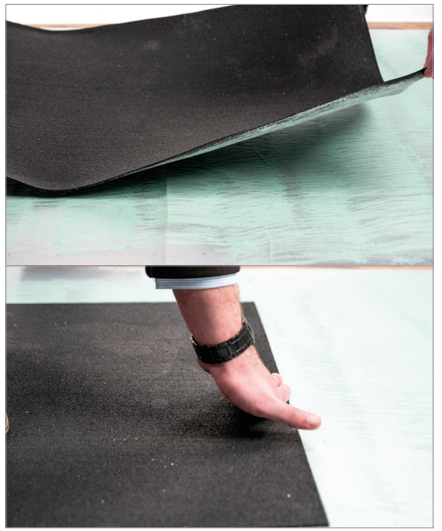
Apply even pressure across the surface of the VCL, whilst removing the release film, to eliminate any air bubbles and creases.

# Directions For Use - 9001

Apply a uniform coat of **QDEK® 9001** adhesive horizontally to the surface of the VCL, to obtain 80% to 100% coverage. Hold the gun at 90 degrees to the deck and 6-8 inches from the surface.



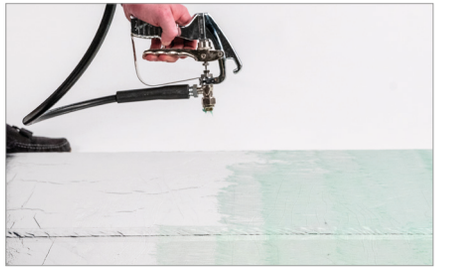
Apply a uniform coat of **QDEK® 9001** adhesive vertically to the rubber crumb material to achieve 80% to 100% coverage. Hold gun at 90 degrees to the deck and 6-8 inches from the surface.



Allow **QDEK® 9001** to tack off for approx. 2-3 minutes (dependant on conditions) until no adhesive transfers to the knuckle when touched.

Position rubber crumb without touching the surfaces, and then place onto the VCL. Apply consistent pressure over the rubber crumb to eliminate creases and air pockets for optimum bond performance.

Apply a uniform coat of **QDEK® 9001** adhesive horizontally to the surface of the rubber crumb.



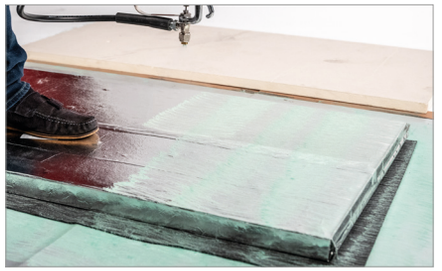
Apply a uniform coat of **QDEK® 9001** vertically to the Kingspan Optim-R® panel.

Allow **QDEK® 9001** to tack off for approx. 2-3 minutes (dependant on conditions) until no adhesive transfers to the knuckle when touched.

Position the Kingspan Optim-R® panel over rubber crumb (without touching the surfaces) and then place onto the rubber crumb.

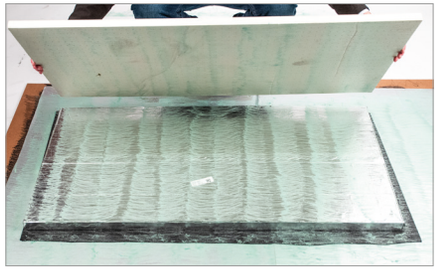
Apply consistent pressure over the Kingspan Optim-R® panel to ensure both surfaces have contacted sufficiently.

# Directions For Use - 9001



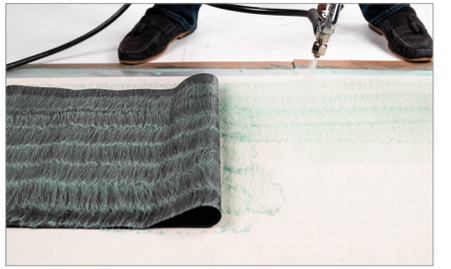
Apply a uniform coat of **QDEK® 9001** adhesive horizontally on the Kingspan Optim-R® panel.

Apply uniform coat of **QDEK® 9001** adhesive vertically onto the Tissue Faced Insulation panel. Allow **QDEK® 9001** to tack off for approx. 2-3 minutes (dependant on conditions) until no adhesive transfers to the knuckle when touched.



Position Tissue Faced Insulation panel over the Kingspan Optim-R® panel (without touching surfaces) and then place together. Apply consistent pressure over the Tissue Faced Insulation panel to ensure both surfaces have contacted sufficiently.

Apply a uniform coat of **QDEK® 9001** adhesive horizontally onto the Tissue Faced Insulation panel.



Fold EPDM membrane back halfway and apply uniform coat of **QDEK® 9001** adhesive vertically onto half of the plain EPDM Membrane.

Allow **QDEK® 9001** to tack off for approx. 2-3 minutes (dependant on conditions) until no adhesive transfers to the knuckle when touched.

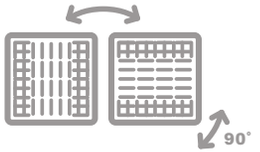
Place the EPDM membrane onto the Tissue Faced Insulation panel. Apply consistent pressure over the surface of the EPDM membrane to ensure both surfaces have contacted sufficiently.

Repeat the above 4 steps (26 - 29) with the other half of the EPDM membrane.

# Directions For Use

1. Make sure that surfaces are clean, dry and free from dirt, dust, oil, loose paint, wax or grease, etc.

2. Spray about 10-20 cm (4" – 8") away at a 90 degree angle to the surface, applying a uniform, even coat of adhesive to obtain 80% to 100% coverage of the surface. If necessary, spray another coat of adhesive in areas that appear to need more adhesive.




3. Spray both surfaces to be bonded, one surface vertically and the other surface horizontally.

4. Allow 2 - 3 minutes for the adhesive to tack off until no adhesive transfers to the knuckle when touched.

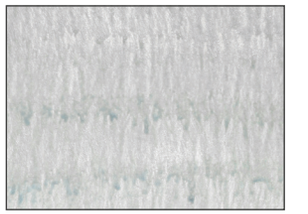
5. Adhere surfaces and press together with adequate pressure. A roller is recommended to apply a uniform pressure to achieve maximum strength. Allow 24 hours for the adhesive to fully cure.

6. If the spray tip clogs, unscrew the spray tip from the gun and clean with solvent such as lacquer thinner or acetone. Do not use a pin on the spray tip orifice.

- This product is designed to be applied to two surfaces to be bonded together. For best results, the temperature of the adhesive and the surfaces being bonded should be between 60 °F - 80 °F (16 °C - 27 °C).
- Use with adequate ventilation. When possible we recommend shaking the canister well before using.
- Attach and secure hose tightly onto the spray gun with required tip. Attach the other end of the hose onto the canister. Make sure the hose-valve connections are securely tight. Open the valve on the canister slowly and fully, check for leaks during this process. Unlock the trigger on the spray gun to start spraying.
- Prior to use, check compatibility by spraying a small test patch of the adhesive on the substrate. This product may degrade some substrates.

## COVERAGE

COVERAGE TOO LIGHT



COVERAGE TOO HEAVY

CORRECT APPLICATION = 20 dry gms/sqm

## CANISTER STORAGE/CHANGE OVER

Turn valve on canister into the off position, spray out remaining adhesive left in the hose, disconnect the spray hose and gun from the canister. Reconnect the spray hose to a canister of cleaning solvent (sold separately) and spray out until liquid is clear which indicates that the hose and gun is clean. If you choose to leave the hose and spray gun on the canister, leave the valve on the canister open. Do not disconnect the hose/gun from the canister. Close and lock the spray gun.

## HANDLING & STORAGE

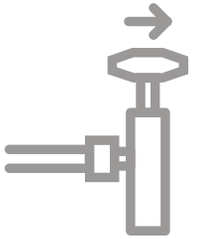
- Consult Material Safety Data Sheet prior to use.
- DO NOT store at temperatures over 50°C.
- Avoid exposure to direct sunlight.
- DO NOT store directly on concrete floor.
- For optimum performance, store at 18°C during use, but must always be above 10°C.
- When connected, keep valve open and hose pressurised at all times.
- DO NOT close valve until ready to connect to new cylinder.
- Release pressure in hose before disconnection.
- Always test product to determine suitability for your particular application prior to use in production.

# Canister Changeover

**IMPORTANT:** safety glasses and gloves must be put on before starting the disposal process

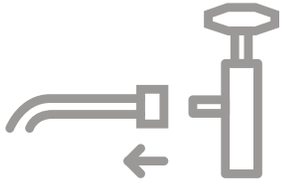
## STEP 1.

Turn the canister valve clockwise until fully closed. Pull the trigger on the gun and hold for 10 seconds to expel residual pressure.



## STEP 2.

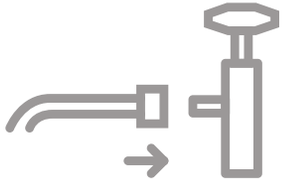
Unscrew the hose nut and disconnect the hose from the empty canister (move to next page for canister disposal).



## STEP 3.

Connect the hose and gun to the new canister (go to Step 2 of Preparation and follow the process through to Step 4).

If you are not transferring the hose and gun to a new canister you will need to clean it to ensure it can be used again on future jobs.

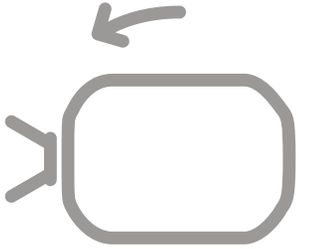


**IMPORTANT:** this process should be followed through immediately and adhesive should be dispensed from the new can or the gun and hose will block and become unusable.

# Disposal

## STEP 1.

Lay the empty canister on its side with the valve pointing AWAY from the operator, and well away from sources of ignition.

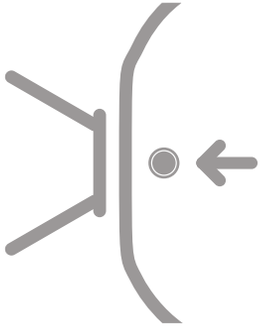


## STEP 2.

Open the canister valve (anti-clockwise) and release any residual pressure.

## STEP 3.

Stand canister upright. Use a hammer and brass punch or other non-sparking instrument to puncture the friable disc.



## STEP 4.

As long as the user is able to accept responsibility for de-pressurising the canister, it can be disposed of as per your normal scrap metal disposal (subject to local waste restrictions).

## TRANSPORT INFORMATION

- During transport, the recommended PPE (Refer to MSDS), First Aid Kit and suitable Fire Extinguisher should be readily accessible in the vehicle.
- Keep vehicle well ventilated at all times whilst it contains spray contact adhesive.
- Secure canister during transportation.

# Contact.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## Disclaimer

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.
Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.