

Construction Asphalt



INFORMATION
AND INSTALLATION **GUIDE**
Asphalt Maintenance and Construction
PRODUCTS



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Asphalt

ABOUT RESISTO

RESISTO is a division of Soprema Inc., a waterproofing products manufacturer founded more than 100 years ago. **RESISTO** offers a wide range of easy-to-use high-quality products that any handyman can afford. **RESISTO** added the **RESISTOSEAL™** line of products to its residential group of products in 2006. The following information will demonstrate the usefulness of **RESISTOSEAL™** products and explain how to use them properly.



ASPHALT

Asphalt ages well and is 5 times cheaper than concrete pavers. It improves the look of your property and landscape, and is affordable and practical. To extend the life of your asphalt driveway, you must maintain it. Through its **RESISTOSEAL™** line of products, **RESISTO** offers you all of the products you need to maintain your asphalt driveway properly, from cleaning to maintenance and crack repair. Just follow the instructions!



Step 1 Cleaning

RESISTOSEAL™ Cleaner and Degreaser

A very important step is preparing the surface to be protected. **RESISTOSEAL™ Cleaner and Degreaser** dissolves and cleans oil and grease spots.

The **Cleaner and Degreaser** is available in 946 ml format.

APPLICATION:

- After having removed loose dirt and debris from the surface, pour a liberal amount of **Cleaner and Degreaser** on the surface to be treated.
- Vigorously scrub area with a very stiff broom or brush.
- While still wet, rinse thoroughly using a hose.



NOTE: Repeat this step until there are no bubbles in the rinse water.

Step 2 Surface Preparation

RESISTOSEAL™ Oil Spot Primer

The second step is to apply a **RESISTOSEAL™ Oil Spot Primer** on the asphalt surface. It ensures better strength of adhesion between the **RESISTOSEAL™ Asphalt Protector** (step 4) and the oil-contaminated surfaces.

The **Oil Spot Primer** is available in 946 ml format.

APPLICATION:

- After cleaning the surface, apply a thin coat of **Oil Spot Primer**, using a paint brush.
- Let dry completely.



Note: Shake well before using the product.

Step 3 Levelling and crack filler

Before applying **RESISTOSEAL™ Asphalt Protector**, all cracks must be filled and repaired to produce a smooth and uniform surface.

RESISTOSEAL™ Levelling and Crack Filler coatings are super-adherent to the sides of cracks and remain flexible, conforming to asphalt movements caused by freezing and thawing cycles. They are remarkably resistant to the temperature variations that come and go year after year. They never become sticky, not even in hot temperatures.

RESISTOSEAL™ Liquid Crack Filler

Offered in a package that is easy to manipulate, **RESISTOSEAL™ Liquid Crack Filler** is ideal for small crack (less than 1/4 in [6 mm]) repair. It stays flexible but never becomes sticky even when the temperature gets very high.

The **Liquid Crack Filler** is available in 946 ml and 3.78 L formats.

APPLICATION:

- Remove dust and debris from the cracks.
- Shake the bottle thoroughly and cut the spout at a 45° angle.
- Squeeze the bottle while drawing the spout along the crack.
- Let dry.

Small crack repair (less than 6 mm [1/4 in])



*NOTE: Apply the **Liquid Crack Filler** during mild but not rainy weather.*

RESISTOSEAL™ Rubberized Crack Filler

This high-performance **RESISTOSEAL™ Rubberized Crack Filler** is ideal for repairing cracks, joints, and other damage to asphalt surfaces. It is suitable for cracks up to 3/8 in (1 cm) wide and deep. Cracks over 3/8 in (1 cm) deep must first be filled with fine sand up to a depth of 3/8 in (1 cm). Wait 24 hours before applying a **RESISTOSEAL™ sealer**.

The **Rubberized Crack Filler** is available in 300 ml format.

Coverage: A bead of 6 mm (1/4 in) covers approximately 29 linear feet (9 meters).

APPLICATION:

- The surface must be clean and free of debris.
- **RESISTOSEAL™ Crack Filler** can be applied at any temperature, but the temperature of the product must be at least 50 °F (10 °C).
- Cut the nozzle tip at a 90° angle, making sure that the opening is 3/8 in (1 cm) in diameter. Pierce the seal inside the nozzle.
- Apply in the crack.
- Let dry.

Small crack repair (less than 1 cm [3/8 in])



RESISTOSEAL™ Levelling Patch

The **RESISTOSEAL™ Levelling Patch** for asphalt surfaces is designed to repair medium cracks (up to $\frac{3}{4}$ in [20 mm] wide) and joints in asphalt pavement and to level shallow depressions. The **RESISTOSEAL™ Levelling Patch** protects against water infiltration into asphalt pavement breakdown caused from wear, rain and freezing temperatures.

Note: *It is not designed to level ruts (uneven surfaces caused by automobiles weight in parking lots) or other wide surfaces.*

The **Levelling Patch** is available in 3.62 kg and 13.6 kg formats.

APPLICATION:

- Remove dust and grease from surfaces and cracks.
- The **Levelling Patch** is ready to use. Apply with a trowel. Dip the trowel in water frequently.
- For repairs greater than 1 in (2.5 cm) deep, mix equal parts of aggregate (clean sand and crushed stone, or sand only) and **Levelling Patch**. Add enough water to obtain about the same consistency as the original product.
- After the repairs, level and smooth the surface with a wet trowel.
- Allow the **Levelling Patch** to dry and cure. Repeat the application, if necessary.

Medium crack repair (from 6 to 20 mm [$\frac{1}{4}$ to $\frac{3}{4}$ in])



RESISTOSEAL™ Pothole Patch and Asphalt repair

RESISTOSEAL™ Asphalt Mixtures repair cracks of $\frac{3}{4}$ in (20 mm) or more and potholes on asphalt driveways, parking areas and sidewalks. It binds to all firm surfaces, even if they're wet.

The **Asphalt Mixtures** are available in 4.53 kg, 15 kg pails and 20 kg bags.

A 20 kg bag covers around 5.7 ft² (0.53 m²) for a depth of 1 in (25 mm).

APPLICATION:

- Surface must be sound and clean. Remove crumbled asphalt or any loose material and remove pounding water.
- Slightly overfill holes and compact using a shovel or a tamper.
- If needed, lightly dust the surface using sand to reduce its adhesion while curing.
- Let surface open to traffic immediately to accelerate the curing time.

Pothole patch and cracks of more than 20 mm ($\frac{3}{4}$ in)



Step 4 Asphalt driveway protection

RESISTOSEAL™ Driveway Sealers are easy to mix and apply, and leave no marks behind. They are water-soluble until they dry, so tools used for their application as well as excesses are easily washed off.

The pail is made of HDPE plastic that is completely recyclable. You can use it for gardening, fishing, and sorting and storage of wastes.

Coal tar-based sealers protect your asphalt driveway against water penetration, one of the main causes of deterioration.

RESISTOSEAL™ Driveway Sealers are water-based emulsion coal tar coatings. They are available in three different grades (Regular, Professional and Contractor).

APPLICATION:

- **STIR**
After the packaging is opened, stir thoroughly to obtain a creamy homogeneous consistency.
- **APPLY**
Pour the **RESISTOSEAL™ Asphalt Driveway Protection** in ribbons on the higher part of the asphalted surface to cover. For best results, do not apply under blazing sun. If applied on a hot day, first spray the surface with water but do not leave standing water.
- **SPREAD**
Spread coating using a **RESISTOSEAL™ Brush-Applicator**, a good quality squeegee or a roller, ensuring not to leave exceeding material at the surface.
- **CLEAN**
After use, clean the tools and packaging immediately with water.



RESISTOSEAL™ Asphalt Driveway Sealer – *Regular (1 year)*

A commercial quality asphalt driveway protection against cracks and deterioration caused by wear, frost, oil, gas spills, salt, sun and rain. **RESISTOSEAL™ Asphalt Driveway Sealer – Regular** increases your asphalt's durability and enhances the beauty of your property.

The Asphalt Driveway Sealer – Regular is available in a 15 L pail.

Average coverage: 220 ft² to 530 ft² (20 m² to 49 m²).



RESISTOSEAL™ Asphalt Driveway Sealer – *Contractor Grade – Super Rubberized (4 years)*

This **RESISTOSEAL™ Asphalt Driveway Sealer – Super Rubberized Contractor** asphalt protection contains more rubber and latex than ordinary tar protectors. It is still much more pliant and resistant to cracks and oxidation.

The **Asphalt Driveway Sealer – Super Rubberized Contractor** is available in a 17 L pail.

Average coverage: 250 ft² to 600 ft² (23 m² to 55 m²).



RESISTOSEAL™ Asphalt Driveway Restorers – Acrylic 2 years & Acrylic 5 years

The **RESISTOSEAL™ Asphalt Restorers – Acrylic 2 & 5 years** are specially formulated with a high-quality 100% acrylic polymer. They offer commercial-grade protection, while enhancing the finish.

The **RESISTOSEAL™ Asphalt Restorers – Acrylic 2 & 5 years** are fast-curing water-based acrylic coatings (coal tar-free) that will not peel off and will be without offensive odour at their application. They protect and seal asphalt surfaces against wear and tear, frost, and oil and gas spills.

Because of their low VOC content and water-based composition, the **RESISTOSEAL™ Asphalt Restorers – Acrylic 2 & 5 years** are respectful of the environment. The pails, made of HDPE plastic, are 100 % recyclable.

The **Asphalt Restorers – Acrylic 2 & 5 years** are available in pails of 15 L. Average coverage: 315 ft² to 1500 ft² (30 m² to 135 m²) depending on the surface porosity.

Those restorers are easy to stir and to apply.

While still wet, the pails are easily cleanable using water.

APPLICATION:

- **STIR**

After opening the packaging, stir thoroughly to obtain a creamy homogeneous consistency.

- **APPLY**

Wash the surface using a brush and a water jet. Apply the **RESISTOSEAL™ Asphalt Restorer** onto the asphalt using a roller, ensuring not to leave exceeding material at the surface for a fast and uniform drying.

Let product cure for 24 hours and test for dryness prior to opening pavement for normal use. For best results, do not apply under blazing sun. If applied on a hot day, first spray the surface with water but do not leave standing water. Do not apply product when rain, high humidity or freezing temperatures are expected within 24 hours from installation.

- **CLEAN**

The **RESISTOSEAL™ Asphalt Restorers – Acrylic 2 & 5 years** are water-soluble when still humid. Immediately clean the tools and packaging.



RESISTOSEAL™ Asphalt Driveway Restorer – Acrylic 7 years – PREMIUM Quality

More resistant for a better adhesion!

With the RESISTOSEAL™ Asphalt Restorer – **PREMIUM Acrylic 7 years**, you will have a **PREMIUM** grade protection against cracks and deterioration caused by wear, freezing temperatures, oil and gas spills, salt, sun, and rain. Environmentally friendly, coal tar-free, no offensive odour.

The RESISTOSEAL™ Asphalt Restorer – **PREMIUM Acrylic 7 years** is reinforced with a polyurethane dispersion and is more resistant to abrasion and chemicals.

The **Asphalt Restorer – PREMIUM Acrylic 7 years** is available in pails of 15L.

Average Coverage: Up to 900 ft² (83 m²) per coat, depending on the surface porosity.

We recommend testing the product on a small surface to determine the exact amount needed.

Those restorers are easy to stir and to apply.

While still wet, the tools the pails are easily cleanable using water.



NOTE: The application of RESISTOSEAL™ Asphalt Restorer – PREMIUM Acrylic 7 year is the same as the Asphalt Restorers – Acrylic 2 & 5 year

RESISTOSEAL™ Asphalt Surface Preparation Kit

The RESISTOSEAL™ *Asphalt Surface Preparation Kit* contains all the material needed to clean and repair cracks in your asphalt surfaces.

Kit contents:

- RESISTOSEAL™ Cleaner and Degreaser (500 ml)
- RESISTOSEAL™ Oil Spot Primer (500 ml)
- RESISTOSEAL™ Crack Filler (300 ml)
- Brush-Squeegee (12 in)
- Roller
- RESISTOSEAL™ Barricade Tape
- Gloves



**SEAL THE DEAL
WITH RESISTOSEAL™ ASPHALT
MAINTENANCE PRODUCTS!**

RESISTOSEAL™ CONSTRUCTION

Roof and foundation water infiltration causes extensive property damage. To prevent such problems, roofs and foundations must be maintained, and using the right products is especially important. **RESISTO** offers a complementary line of roofing and foundation waterproofing products, which can be used to extend the life span of your property. Roofs usually have a life span of 15 to 20 years. Get the most out of your roof by using **RESISTOSEAL™ Construction** products.

Roof coatings

RESISTOSEAL™ Fibrous Coating

RESISTOSEAL™ Fibrous Coating is composed of bitumen, cellulose fibers, mineral fillers and fast-evaporating solvent. It is completely waterproof and may also be in contact with roof details (concrete chimneys, metallic flashing, etc.). It is used to revitalize existing asphalt roofs in order to extend their useful life. **RESISTOSEAL™ Fibrous Coating** adheres to most materials without primer.

The **Fibrous Coating** is available in 3.78 L and 18.9 L formats.

Coverage: 2 to 3 L/m² (5 to 7.5 US gal/100 ft²) depending on surface porosity.

APPLICATION:

RESISTOSEAL™ Fibrous Coating is easily applied with a brush or roller. Larger holes and cracks must first be filled with **RESISTOSEAL™ Plastic Cement** or **Elastomeric Sealer** prior to its application. Surfaces must be dry and free from oil, grease, dirt and loose materials. **RESISTOSEAL™ Fibrous Coating** will provide longer-lasting protection if it is protected from UV rays by a material such as gravel.



RESISTOSEAL™ Non-Fibrous Coating

RESISTOSEAL™ Non-Fibrous Coating is composed of bitumen and fast-evaporating solvent. It is completely waterproof and may also be in contact with roof details (concrete chimneys, metallic flashing, etc.).

The **Non-Fibrous Coating** is available in 3.78 L and 18.9 L formats.

Coverage (in the field): 0.5 to 0.7 L/m² (1.2 to 1.7 US gal/100 ft²).

APPLICATION:

Apply one uniform coat of **Non-Fibrous Coating** with a brush, roller or sprayer. Surfaces must be dry and free from oil, grease, dirt and loose materials. **RESISTOSEAL™ Fibrous Coating** will provide longer-lasting protection if it is protected from UV rays by a material such as gravel.



Various

RESISTOSEAL™ Aluminum Coating

RESISTOSEAL™ Aluminum Coating is a thick, homogeneous, SBS-modified bitumen-based sealant containing reflective aluminum pigments and solvents. Use it to restore and protect metal surfaces such as roofs, campers, mobile homes, farm buildings, reservoirs, water ducts, etc. It can also be used on asphalt roofs to decrease the roof surface temperature and offer protection against UV radiation.

The **Aluminum Coating** is available in 3 L and 18 L formats.

APPLICATION:

- 1 Mix well before using. It is recommended to use a drill with a mixer tip.
- 2 Clean and dry the surface. If the surface to be treated has cracks or holes, apply **RESISTO Exterior Primer**, and repair with **Aluminum Waterproofing Membrane** or **Resistoflash Coating & Flashing Reinforcement**.
- 3 Depending on the surface and the desired effect, apply one or two coats of **RESISTOSEAL™ Aluminum Coating** using a brush, roller or sprayer.

Recommendations for sprayer application:

- It is important to mix the **Aluminum Coating** well before applying and from time to time while applying.
- We recommend using an “airless” sprayer developing a pressure of 3000 PSI, equipped with a 1/4-inch-diameter hose and a 19 to 25 mils tip.
- If needed, the **Aluminum Coating** may be diluted using thinner such as xylene or other type of thinner. Do not use more than 10% thinner. Using more thinner reduces the protection against corrosion.
- If needed, apply a second thin coat once the first coat is dry (about 24 hours). Dilute the sealant with 25% of solvent per volume.



- The **Aluminum Coating** can be applied to pre-painted surfaces. However, once it has been applied, it can't be painted.
- Clean spray equipment with thinner immediately after use.

Foundation coatings

RESISTOSEAL™ Foundation Coating

RESISTOSEAL™ Foundation Coating is composed of bitumen and fast-evaporating solvent. It is used as damproofing for foundation walls, footings, retaining walls, wing walls, abutments and culverts.

The **Foundation Coating** is available in 3.78 L and 18.9 L formats.

Coverage (in the field): 0.5 to 0.7 L/m² (1.2 to 1.7 gal US/100 ft²).

APPLICATION:

RESISTOSEAL™ Foundation Coating can be applied with a brush or a roller in a continuous film. A sprayable version is also available upon request. Surfaces must be dry and free of oil, grease, dirt and loose materials. Concrete surfaces must be sound and free of cracks or other irregularities. Avoid applying the **Foundation Coating** over dampened or frost-covered surfaces. Use one of the **RESISTOSEAL™ Plastic Cements** to fill irregularities at form ties prior to applying **RESISTOSEAL™ Foundation Coating**. **RESISTOSEAL™ Foundation Coating** must be dry when you touch it before backfilling.



RESISTOSEAL™ Winter Foundation Coating

RESISTOSEAL™ Winter Foundation Coating is composed of bitumen and fast-evaporating solvent. It is used for foundation walls, footings, retaining walls, wing walls, abutments and culverts. It is ideal in winter conditions.

The **Winter Foundation Coating** is available in 18.9 L format.

Coverage (in the field): 0.5 to 0.7 L/m² (1.2 to 1.7 US gal/100 ft²).

IMPORTANT: Condition material at a temperature above 10°C about 24 hours prior its use for an easier application.

*NOTE: The application of **RESISTOSEAL™ Winter Foundation Coating** is the same as **RESISTOSEAL™ Foundation Coating**.*



RESISTOSEAL™ Asphaltic H₂O Foundation Coating

Use it as a damp-proofing coating on masonry or concrete structures to prevent absorption and migration of dampness and moisture.

RESISTOSEAL™ Asphaltic H₂O Foundation Coating is a VOC-free, water-based bituminous emulsion coating used for foundation walls, footings, retaining walls, wing walls, abutments and culverts.

PROPERTY

- Dries quickly.
- No solvents or VOC.

APPLICATION CONDITIONS

- Surface to be covered must be free of frost, oil, loose particles, debris and dust.
- Repair holes and cracks with **RESISTOSEAL™ Plastic Cement** before applying.
- Mix before application.
- Apply to clean surfaces, at a temperature of 41 °F (5 °C) or more*, using a roller, brush or sprayer.
- Drying time varies from 12 to 36 hours, depending on the atmospheric ambient conditions and amount applied.
- Product must be dry (tack free) before backfilling.
- Maximum application temperature: 90 °F (32 °C).
- Do not apply over excessively wet surfaces.
- Protect fresh application against water until dry to the touch.
- Apply without dilution or thinning.

* For temperatures below 41 °F (5 °C), use **RESISTOSEAL™ Foundation Coating** (solvent-based).

COVERAGE*

3.78 L: 3 m² à 4 m² (35 pi² à 45 pi²)

18.9 L: 175 ft² to 225 ft² (16 m² to 21 m²).

*Approximate values that vary depending on amount applied and permeability of the surface to be coated.

STORAGE

- Keep from freezing.
- Storage temperature: maximum 104 °F (40 °C).
- Shelf life: 12 months in non-open original container when stored in a cool, well-ventilated area.

Note: Seal container well after use.



Plastic cement

APPLICATION:

Apply **RESISTOSEAL™ Plastic Cements** to clean surfaces using a trowel or standard caulking gun.

RESISTOSEAL™ Plastic Cement – Regular

RESISTOSEAL™ Plastic Cement – Regular is bitumen-based, polymer-free mastic. It is used for caulking and repairing holes and cracks and adheres to most materials without primer.

The **Plastic Cement – Regular** is available in 300 ml, 4 kg, 10 kg and 20 kg formats.

It can be used on dry surfaces.



RESISTOSEAL™ Plastic Cement – Pro

RESISTOSEAL™ Plastic Cement – Pro is bitumen-based, polymer-free mastic used to waterproof roof details such as flashings, vents, and other types of roofing details and to repair different joints, holes and cracks. Its formulation offers a good resistance to temperature variations.

The **Plastic Cement – Pro** is available in 300 ml, 850 ml, 1 kg, 4 kg, 10 kg and 20 kg formats.

It can be used on dry or humid surfaces.



RESISTOSEAL™ Plastic Cement – Winter Pro

RESISTOSEAL™ Plastic Cement – Winter Pro is bitumen-based, polymer-free mastic used to waterproof roof details (valleys, vents, chimney bases, etc.) and repair joints, holes and cracks.

The **Plastic Cement – Winter Pro** is available in 20 kg format.

It can be used on a dry or wet surface.

It is ideal in winter conditions.

IMPORTANT: For ease of application, condition **RESISTOSEAL™ Plastic Cement – Winter Pro** at a temperature of 50 °F (10 °C) or more prior to its use.



RESISTOSEAL™ Plastic Cement – Flex

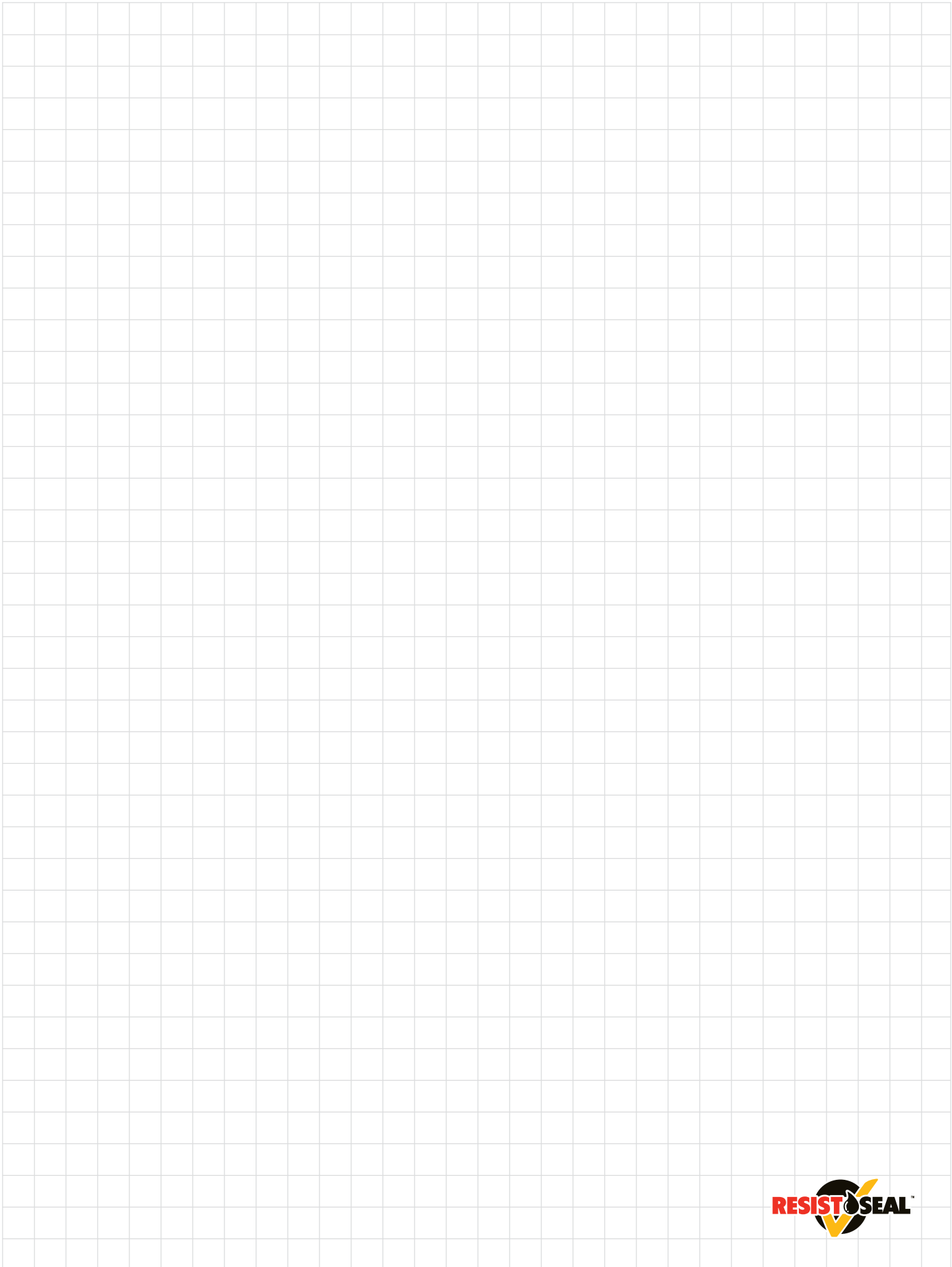
RESISTOSEAL™ Plastic Cement – Flex offers great resistance to extreme temperature variations while maintaining its flexibility. It is composed of bitumen and polymers. Use it to waterproof flashings, vents, and other types of roofing details and to repair joints, holes and cracks (build-up roofs, concrete and other surfaces). **RESISTOSEAL™ Plastic Cement – Flex** can be used in all seasons.

The **Plastic Cement – Flex is available** in 300 ml, 4 kg and 20 kg formats.

It can be used on dry or humid surfaces.



**MAKE YOUR WORK "CONCRETE"
WITH THE RESISTOSEAL™
CONSTRUCTION QUALITY PRODUCTS!**







A division of SOPREMA