LESSO

WATERPROOF PRODUCT MANUAL

Membranes. Coatings. Repair materials. Sealants.



ENGLISH EDITION
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Packaging, coverage and sizes follow the supplied 2026 manual. Coverage is a catalogue reference and varies with substrate condition, layer thickness and application method. Custom options may be available for other performance requirements.

Self-adhesive waterproof membranes

This flexible sheet-type waterproof material uses custom-formulated petroleum asphalt blended with supplementary materials and additives. Simply peel off the release film and apply the membrane to the prepared surface. It can be combined with waterproof coatings to form a composite waterproof layer, or used alone as a single waterproof layer.

APPLICATIONS

- Non-exposed roofs and underground projects.
- Metro projects constructed by the cut-and-cover method.
- Municipal projects, including canals and swimming pools.
- Waterproofing where open flames are prohibited.



Peel the release film while laying the membrane.

LS-C100 | Self-adhesive modified asphalt membrane, polyester mat

Thickness: 3 / 4 mm

Roll size (width × length): 1 m × 10 m

Type: Type I / II; single- or double-sided

Application: Peel the release film while laying the membrane.

LS-C200 | PET self-adhesive modified asphalt membrane

Thickness: 1.2 / 1.5 / 2.0 mm

Roll size (width × length): 1 m × 25 / 20 / 15 m

Type: Type I / II; single-sided; no polyester mat

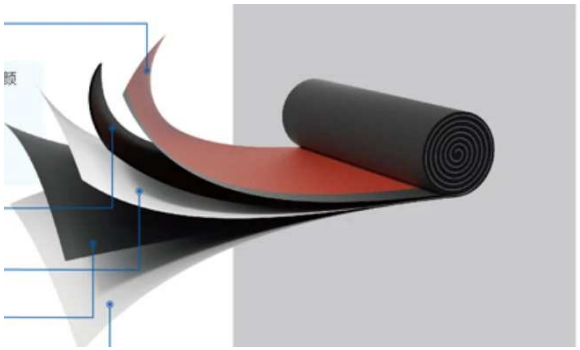
Application: Peel the release film while laying the membrane.

Torch-applied waterproof membranes

These flexible sheet membranes use custom-formulated petroleum asphalt with SBS or APP modifiers to improve low- or high-temperature resistance, together with supplementary materials and additives. Select the membrane for its application environment. PE film-faced membranes are suitable for non-exposed applications; colored-sand or shale-granule surfaces are designed for exposure. Apply by heating with a torch.

APPLICATIONS

- Concrete roofs and external basement structures.
- Metros, tunnels, concrete bridge decks, sewage treatment plants and landfills.
- Water-conservancy facilities, including canals and water tanks.



Layer build-up: PE film / colored sand / shale granules; asphalt adhesive; polyester base fabric; asphalt adhesive; release film. PE film has a smooth black checkered pattern. Colored-sand surfaces are available in red, green and blue; shale has a gray crushed-stone pattern.

LS-N100 | SBS torch-applied waterproof membrane

Thickness: 3 / 4 mm

Roll size (width × length): 1 m × 10 m

Type: Type I / II; film-coated or sand/shale surface

Application: Apply by heating with a torch.

LS-N200 | APP torch-applied waterproof membrane

Thickness: 3 / 4 mm

Roll size (width × length): 1 m × 10 m

Type: Type I / II; film-coated or sand/shale surface

Application: Apply by heating with a torch.

Polymer waterproof membranes

TPO membrane uses thermoplastic polyolefin synthetic resin made by combining ethylene-propylene rubber and polypropylene through advanced polymerization, with antioxidants, anti-aging agents and softeners. Reinforced versions can incorporate polyester-fiber mesh. This range belongs to the synthetic-polymer waterproof membrane category.

APPLICATIONS

• Exposed or non-exposed roof waterproof layers, and underground waterproofing of buildings prone to deformation.

• Especially suitable for light steel-structure roofing.

• Drinking-water reservoirs, toilets, basements, tunnels, grain depots, metros and water tanks.



Cut the membrane to the required dimensions and unroll it. Where specified, use the self-adhesive overlap edge along the long side.

LS-P500 | TPO waterproof membrane

Thickness: 1.2 / 1.5 / 1.8 / 2.0 mm

Roll size (width × length): 1 / 2 m × 15 / 20 / 25 m

Type: P / H / L

Application: Cut to the required dimensions, unroll and form the specified overlaps.

Asphalt waterproof coatings

This range uses high-quality asphalt with additives and exclusive formulations for a wide range of building waterproofing applications. LS-G300 is heated and melted before use with membranes; it remains fluid after cooling at room temperature and can creep into cracks in concrete. LS-J401 can form a waterproof layer on concrete or be combined with membranes. LS-E509 is a weather-resistant coating that can serve as an exposed finish layer.

APPLICATIONS

- Membrane-and-coating composite waterproof systems.
- Concrete waterproofing and exposed weather-resistant finish layers, according to the selected model.



Store at room temperature, protect from outdoor sunlight and keep sealed when not in use.

LS-G300 | Non-cured rubber asphalt waterproof coating

Packaging: 25 kg

Reference coverage: 10–13 m² per pack

Type: Single-component; for use with waterproof membranes

Application: Heat and melt before application.

LS-J401 | Water-based asphalt waterproof coating

Packaging: 14 kg

Reference coverage: 10–14 m² per pack

Type: Single-component

Application: Ready to apply directly from the pail.

LS-E509 | Weather-resistant rubber asphalt coating

Packaging: 25 kg

Reference coverage: 10–14 m² per pack

Type: Single-component; suitable for an exposed waterproof layer

Application: Ready to apply directly from the pail.

Polymer waterproof coatings

LS-J100 and LS-J800 are water-based polymer coatings selected according to the application. LS-J100 is mixed with matching powder or hard cement before application and is suitable for large-area non-exposed indoor and outdoor environments. Its mixing ratio can be adjusted appropriately for the service environment. LS-J800 is a single-component coating for decorative waterproofing of exposed roofs and external walls.

APPLICATIONS

- Non-exposed indoor and outdoor waterproofing with LS-J100.
- Exposed roofs and external walls with LS-J800.



Custom colors for LS-J800 are available for bulk orders.

LS-J100 | Polymer cement waterproof coating

Packaging: 25 kg

Reference coverage: 20–25 m² per pack

Type: Two-component; mix with matching powder or hard cement

Application: Brush or spray after mixing liquid and powder.

LS-J800 | High-elastic acrylic roof coating

Packaging: 25 kg

Reference coverage: 10–14 m² per pack

Type: Single-component; custom colors available

Application: Ready to brush or spray directly from the pail.

Polyurethane waterproof coatings

This range consists mainly of oil-based polymer coating components, with LS-A100 as a representative product. Select products according to the application. LS-A100 is a single-component coating for non-exposed indoor and outdoor environments in large-scale projects. It offers some corrosion resistance and is particularly suitable for flat surfaces.

APPLICATIONS

- Non-exposed indoor and outdoor engineering waterproofing.
- Large areas and flat surfaces; select the one- or two-component system for the application.



For LS-A200, mix component A and component B in the specified proportions before brushing or spraying.

LS-A100 | Single-component polyurethane coating

Packaging: 25 kg

Reference coverage: 14–16 m² per pack

Type: Single-component polyurethane waterproof coating

Application: Ready to brush or spray directly from the pail.

LS-A200 | Two-component polyurethane coating

Packaging: 30 kg / set

Reference coverage: 30–35 m² per set

Type: Component A: 10 kg + component B: 20 kg

Application: Brush or spray after mixing in the correct proportion.

Home decoration materials

This water-based range is designed for straightforward home waterproofing and substrate preparation. Blue LS211 General Waterproof Slurry is suitable for walls, while green LS200 Flexible Waterproof Slurry is suitable for floors. The colors help make application uniform and visible. Both are suitable for toilets, balconies, kitchens, swimming pools, water tanks and non-exposed roofs. LS130 is a ready-to-use liquid for dry rooms, providing damp-proofing and substrate strengthening. Mixed with hard cement and applied by roller or brush, it roughens walls and improves tile bonding.

APPLICATIONS

- Domestic wall and floor waterproofing.
- Preparation, consolidation and roughening of cement walls and concrete substrates.



LS211 and LS200 are supplied as two packs of liquid plus two packs of powder in each pail.

LS211 | General waterproof slurry

Packaging: 16 kg

Reference coverage: 8–10 m² per pack

Type: Two-component; 2 packs of liquid + 2 packs of powder

Application: Brush after mixing liquid and powder.

LS200 | Flexible waterproof slurry

Packaging: 18 kg

Reference coverage: 8–10 m² per pack

Type: Two-component; 2 packs of liquid + 2 packs of powder

Application: Brush after mixing liquid and powder.

LS130 | Texturing and curing agent

Packaging: 18 kg

Reference coverage: 170–200 m² neat; 15–18 m² with cement per pack

Type: Single-component damp-proof and substrate-strengthening coating

Application: Brush directly from the pail, or mix with hard cement at a 1:2.5 ratio for roughening.

Home decoration materials | continued

LS102S forms a transparent waterproof film on finished exterior façades without changing the building's original appearance. It is ready to brush directly from the pail. LS701A is suitable for ordinary ceramic tiles. LS721S is suitable for large-format ceramic and wall tiles and provides enhanced bonding. Both tile adhesives are mixed with water and require no additional sand or cement.

APPLICATIONS

- Transparent exterior-wall waterproofing with LS102S.
- Ordinary ceramic tile laying with LS701A.
- Large-format ceramic and wall-tile bonding with LS721S.



The house illustration shows the placement of waterproofing, substrate preparation and tile-bonding materials.

LS102S | Transparent exterior-wall waterproof liquid

Packaging: 5 kg

Reference coverage: 15–25 m² per pack

Type: Single-component transparent waterproof coating

Application: Ready to apply directly from the pail.

LS701A | Easy-apply ceramic tile adhesive

Packaging: 20 kg

Reference coverage: 5–6 m² per pack

Type: Dry-powder ceramic tile adhesive

Application: Mix adhesive and water at 4:1. Apply a thin layer to the back of the tiles before laying.

LS721S | Super-strong ceramic tile adhesive

Packaging: 20 kg

Reference coverage: 5–6 m² per pack

Type: Dry-powder ceramic tile adhesive

Application: Mix adhesive and water at 4:1. Apply a thin layer to the back of the tiles before laying.

Waterproof repair materials

These dry-powder repair and leak-proofing materials are suitable for engineering emergencies and household repairs of concrete damage and leaks. Mix with water before use. LS601 fast-setting cement sets within about 5 minutes and can be used in wet environments for emergency water-leak repairs. LS600S slow-setting cement sets within about 30 minutes, providing a longer working time for multiple leakage points and engineering maintenance.

APPLICATIONS

• Concrete repair and emergency leak-proofing in household and engineering work.

• Wet environments and repairs to multiple leakage points.



Mix powder and water at 3:1 for immediate use. The water ratio may be reduced appropriately according to ambient humidity.

LS601 | Fast-setting water-plugging cement

Packaging: 2 kg; 10 bags / carton

Type: Dry-powder repair material; sets in about 5 minutes

Application: Mix powder and water at 3:1 for immediate use. Water may be reduced according to ambient humidity.

LS600S | Slow-setting water-plugging cement

Packaging: 2 kg; 10 bags / carton

Type: Dry-powder repair material; sets within about 30 minutes

Application: Mix powder and water at 3:1 for immediate use. Water may be reduced according to ambient humidity.

Neutral silicone sealants

These ready-to-use, single-component organic silicone sealants react with moisture in the air at room temperature to form a permanently flexible elastomer. They are suitable for bonding and sealing doors, windows and components made of glass, aluminum, spray-coated aluminum and plastic steel. They can also be used for non-structural bonding and sealing of stainless-steel profiles, coated aluminum profiles and curtain-wall components. The range offers UV and weather resistance.

APPLICATIONS

- Doors, windows, glass and component joints.
- Non-structural adhesion and sealing of metal profiles and curtain-wall components.



Use a matching sealant gun. Custom options are available to accommodate other performance requirements.

LS602 | Neutral silicone sealant, transparent

Packaging: 240 ml; 25 pcs / carton

Type: Single-component; neutral cure; transparent

Application: Extrude with a matching sealant gun onto clean, dry surfaces.

LS802 | Neutral silicone sealant, colored

Packaging: 240 ml; 25 pcs / carton

Type: Single-component; neutral cure; gray / white / black

Application: Extrude with a matching sealant gun onto clean, dry surfaces.

LS898 | Weather-resistant neutral silicone, foil pack

Packaging: 750 g; 20 pcs / carton

Type: Single-component; neutral cure; gray / white / black

Application: Extrude with a matching sealant gun onto clean, dry surfaces.