Technical Data Sheet

weber.tec 960

Reflective and protective roof coating

Highly-elastic, 1-comp. coloured roof coating

Fields of application

As decorative and reflective membrane for old bituminous substrates (roofing felts or membranes), for metallic substrates (zinc, aluminium, copper, zinc) as well as for new or old fiber cement sheets (such as Eternit, Fulgurit, Wanit).
Also as protective coating for pitch roofs (minimum slope of 2%) on administration buildings, factories and stores, warehouses, exhibition halls, hospitals, schools etc.
After drying, weber.tec 960 provides a watertight, vapour-permeable, extremely elastic and rubber-like membrane without seams and joints.
For use outdoors.

Description

weber.tec 960 is a solvent-free, highly elastic, one-component and cold-applied synthetic liquid membrane for dry roof substrates.

Main features

- highly elastic (elongation at break of approx. 350% at +23°C)
- reflects up to 70% of solar radiation and reduce temperature room in summer
- permeable to water vapour
- resistant to sparkling fire (B 2 according to DIN 4102, part 7)
- resistant ageing and UV radiation, to great variations in temperature (approx. -30°C to +100°C), diluted acids, alkalis, and aggressive industrial gases
- reflects up to 70% of solar radiation and reduce temperature room in summer
- solvent-free
- for use outdoors

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Technical values

Application temperature (air and substrate):	≥ +10°C
Elongation at break:	350%
Density:	approx. 1.6 kg/dm³
Consistency:	semi-liquid
Resistance to water pressure:	up 0.5 bar
Water vapour diffusion resistance coefficient (μ):	approx. 12.500

Quality control

weber.tec 960 is subject to a regular quality control.

General notes

- All characteristics mentioned in this data sheet are based on a temperature of +23°C, without draught and a relative humidity of rate 50%. on +20°C.
- Higher temperatures and lower humidity rates accelerate, lower temperatures and higher humidity rates slow down the drying process.
- The light colors of weber.tec 960 reflect the UV radiation up to 70% and cools the room temperatures down in summer.
- At low temperatures and/or high humidity rates apply the material in several thin coats, in order to provide a thorough drying of the whole membrane (complete film formation) and consequently to avoid a reduced elasticity of the dry film as well as crack formation. Applications in thicker coats will result in a substantial much longer drying time.
- Flat roofs should have a slope of minimum 2%.
- Prior to application treat all cracks in an appropriate way.
- In case of spray application use airless guns and air-assisted pumps. A dilution up to 5% water is allowed. A higher dilution will lead to sedimentation and is therefore not suitable for spraying.

Special notes

- Limits of use: do not use weber.tec 960 on roof areas with permanently standing water, polyurethane-based rigid spray-foam roofs, bitumen roof surfaces which are younger than 12 months, bitumen felts which are covered with gravel or pebble dash and bitumen felts with porous inserted textile layer.

- Fiber cement sheets must be asbestos-free.
- Do not add foreign products during application.

Substrate preparation

- The substrate must be dry, solid, load-bearing, frost-free and flat, as well as free from all adhesion-impairing particles and substances such as oil, grease and dust.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Bitumen surfaces

- Old (over one year) asphalt surfaces, bitumen roofing felts and membranes must be primed with the solvent-containing primer weber.tec 960 V in order to consolidate the weathered surfaces.
- Only use deck brushes with natural bristles, as synthetic bristles are not resistant to solvents.
- Do not spray weber.tec 960 V; only the brush action will provide a sound consolidation of the weathered felts.
- After full drying of the primer weber.tec 960 is applied with a paintbrush, a lambskin roller or an airless gun (with air-assisted pump).
- When spraying at high pressure, take care to hold the device in such a way that a pore-free coating (without bubbles) is obtained. Otherwise, a careful coating with lamb's wool roller is necessary.

Metal roofs

- Remove loose paints with a wire brush on aluminium and zinc.
- Remove corrosion, if any, up to "white break "
- Use weber.tec 960 V for better bonding.
- After full drying of the primer, apply weber.tec 960 as described above.

Concrete roofs and new fiber cement sheets

- After cleaning, the roof surfaces are consolidated with the primer weber.tec 960 V or the primer weber.prim 801.
- After full drying of the primer apply a 1st coat of weber.tec 960 diluted by 10 - 20% water.
- After full drying of the first coat, apply a second one undiluted.

Practical information

Colours:
light grey and white

Tools:
Paintbrush, roller, lambskin roller, airless gun (with air-assisted pump); preparation and priming works: wire brush and deck brush with natural bristles

Drying time:
approx. 2 days

Storage:
The product can be stored at least 12 months in its original unopened packaging, if kept dry and frost-free. Frost destroys the product. After thawing it is not allowed to use it

Consumption / yield

as reflective paint:	min. 1.6 kg/m²
as coating (1 layer):	approx. 1.2 kg/m²
as coating (2 layers):	approx. 3.2 kg/m²

Packagings

Type	Sales unit	Number / euro-pallet
Plastic bucket	24 kg	24 buckets

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.

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