

# Ampatop® Seal Ampatop® Seal GHS Weldable roof membranes



Product information



# Ampatop® Seal

# Ampatop® Seal GHS



- 1 Ampatop® Seal
- 2 Ampatop® Seal GHS

## When very good is not good enough

**Ampatop® Seal** or **Ampatop® Seal GHS** is the weldable roof membrane from Ampack for highly demanding and exceptional use. It is a roof membrane in a class of its own and suitable for flat-pitched roofs with a roof pitch from: **Ampatop® Seal** 5° and **Ampatop® Seal GHS** 3°. The membrane comprises an upper and lower surface coating made of TPU (thermoplastic polyurethane), it is diffusive and can be welded both with a solvent and with hot air. It is pleasant to the touch and is particularly user-friendly. Moreover, it has good UV and cold stability. **Ampatop® Seal** or **Ampatop® Seal GHS** is free of PVC and plasticisers.

## Normative classification of the products

Weldable roof membrane for increased and extraordinary requirements

**Ampatop® Seal GHS:** With seal of quality from "Gebäudehülle Schweiz" association.

Technical details	Ampatop® Seal	Ampatop® Seal GHS
s <sub>d</sub> value	0,2m	0,2m
Resistance to water penetration	W1	W1+
Weight	350g/m <sup>2</sup>	350g/m <sup>2</sup>
Fire behaviour	E	E
Outdoor weathering	3 months	6 months
Minimum roof slope	5°	3°
Tear resistance longitudinal	350N/5cm	350N/5cm
Tear resistance transverse	380N/5cm	380N/5cm
Resistance to further tearing (nail shaft) longitudinal	250N	250N
Resistance to further tearing (nail shaft) transverse	240N	240N
Temperature resistance	-40 to +100 °C	-40 to +100 °C
Welding temperature	240-280 °C	240-280 °C
Abrasion resistance		passed
Hail resistance		HW 4 passed



Conditions for the twenty-year premium warranty include registering the building object and the Ampack products used. In addition, our products must be used as part of a system. For further details, please see our General Warranty Conditions.



ISO 9001  
Swiss Research

## Two welding procedures: Solvent welding and hot-air welding

**Ampatop® Seal** or **Ampatop® Seal GHS** can be welded not only with hotair, but also by means of solvent welding:

- > Solvent welding means time and cost savings. In addition, the weld seam is wider and offers more safety.
- > No more spot welding, pre-welding and main welding, just one time solvent welding.

## Can be used on both front and back

Both sides of the **Ampatop® Seal** or **Ampatop® Seal GHS** are coated identically. This means that both sides function exactly the same.

- > Very little waste as sections can be used both for connections and closures.

## Installation-friendly material

**Ampatop® Seal** or **Ampatop® Seal GHS** has a very special material texture and feel. The fleece and the two TPU layers ensure that the membrane is soft and flexible while at the same time offering a good grip.

- > The membrane is highly slip resistant and firm. Take account of the impact of damp weather.
- > It can be easily rolled out on the roof and/or laid or pulled over the existing construction..
- > It is also foldable and resistant to the cold. Which means an end to laborious rolling!

## Prefabricated

We also offer **Ampatop® Seal** or **Ampatop® Seal GHS** prefabricated at right angles or in special dimensions to form large tarpaulins. Advantages:

- > Simple, time-saving installation according to installation plans
- > Standardised, always identical welding seams
- > etc.



3 Welding with Ampacoll® LiquiSeal



4 Welding with hot air



5 Wastage-free formation of connections



6 Easy to roll out



7 Prefabrication of jumbo rolls and above



Application example

# Reference building

## Weisshorngipfel restaurant, Arosa



### Ampatop® Seal for 2653 m a.s.l.

The new building of the Weisshorngipfel restaurant ([www.weisshorngipfel.ch](http://www.weisshorngipfel.ch)) in Arosa glows with modern fixtures and fittings and a 360° Demoscape windows through which the visitors can enjoy the breathtaking view of the mountains. The construction companies that were involved in this new build project were also stars, as it is extremely difficult to complete a building at such high altitude without making any mistakes, both from a logistical and a civil engineering perspective.

It was a great challenge to resolve the questions regarding which construction measures would ensure that the building could withstand the extreme weather conditions. The catalogue of the weather-specific challenges on the Weisshorn is long:

- > The roof must be able to cope with a snow burden of  $1.5\text{t/m}^2$  which corresponds to approximately a 4 metre high blanket of wet snow.  
This equals 800 tonnes for the whole of the roof surface.
- > Wind pressure and wind suction rattle the façade, in addition storms drive the rain and backwater up the walls through every crack and opening.
- > The formation of ice blocks the drainage of the water and results in increased pressure and build-up.
- > etc.

Whilst in normal weather conditions a metal casing is 99% reliably thick enough, additional sealing measures must be factored in for these extreme conditions. One of these measures is the implementation of the weldable roof membrane **Ampatop® Seal** or **Ampatop® Seal GHS**.

**Note:** The installation of a roof or façade membrane directly underneath a metal cladding is not permitted in every country.

# System products

## Ampatop® Seal



Weldable roof membrane for increased and exceptional requirements.

1,5m×30m/1,5m×400m  
3,0m×20m/3,0m×400m

## Ampatop® Seal GHS



Weldable roof membrane for increased and extraordinary requirements.

1,5m×30m/1,5m×400m  
3,0m×20m/3,0m×400m

## Ampatop® SealEdge



Prefabricated eaves flashing made of **Ampatop® Seal** and a highly UV-resistant PVC strip.

## Ampatop® SealEdge GHS



Prefabricated eaves flashing made of **Ampatop® Seal GHS** and a highly UV-resistant PVC strip with seal of approval from the "Gebäudehülle Schweiz" association.

## Ampatop® SealStripe



Strips of **Ampatop® Seal**.

## Ampatop® SealStripe GHS



Strips of **Ampatop® Seal GHS** with seal of approval from the "Gebäudehülle Schweiz" association.

## Ampacoll® LiquiSeal



For seamless, homogeneous solvent welding.

## Ampacoll® LiquiSeal Applicator



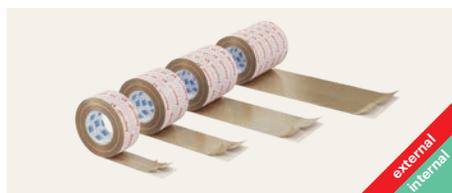
Bottle with brush for the easy application of **Ampacoll® LiquiSeal**.

## Ampacoll® TubeSeal



Prefabricated sleeve for the quick sealing of standard penetrations.

## Ampacoll® XT



For the reinforcement of **Ampatop® Seal GHS** together with **Ampacoll® TubeSeal**.

## Ampacoll® ND.Band



One-sided adhesive nail sealing tape.

## Ampacoll® ND Duo



Double-sided adhesive nail sealing tape. Suitable for:  
> Roof pitch < 25° and/or  
> Altitude > 800m above sea level

## Ampacoll® DoubleSeal



Double-sided, water-repellent, acrylic adhesive band.

## Ampacoll® Profix



Liquid adhesive for connections to e.g. eaves flashing, upstands, chimney, etc.

## Ampacoll® SealForm



Various moulded parts for lasting sealing of corners, penetrations and connections.

# The building shell experts. Since 1946.

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