

**Typical chemical and physical properties**

ADDAPT<sup>®</sup> HS 11 is a non-toxic and non-flammable water repellent for masonry and wood substrates.

**It is a proprietary blend of additives**

Appearance

Milky liquid

*This information is intended as a guideline only. For specifications please consult the Certificate of Analyses.*

**Applications and typical treat level recommended**

- As a milky aqueous water repellent treatment for masonry and wood substrates

It is available as a ready to use product or as a concentrate which requires dilution before usage (ADDAPT<sup>®</sup> HS 11C)

**Benefits**

Easy to handle liquid providing a transparent water repellent water vapour barrier. This allows internal moisture to be released without damage to the surface, whilst providing a water barrier to prevent further water ingress.

***Reduction in freeze thaw cracking and spalling of bricks .***

Bricks wetted from snow and rain are constantly under pressure from freeze thaw cycles causing internal stress fractures. If water cannot penetrate there is no internal pressure.

***Improvement in winter fuel efficiency by maintaining the effective heat insulation properties of dry bricks.*** Wet bricks can transfer heat up to ten times faster than dry bricks. Also the cavity remains dry and any insulation materials used remain as efficient as intended to be.

***Reduction and elimination of efflorescence.*** Caused by salts migrating the surface with water transmission and then remaining on the surface after evaporation.

***Reduction in surface dirt pick-up.*** Often caused by soluble soot's in rain. These dirty droplets will simply be shed off the bricks with rain.

***Reduction in mould, fungal and other microbial infestations.***

The treatment contains a long term film fungicide to assist in preventing fungal attack. Most fungal and algae growth take place on damp or wet substrates.

***Reduction in splitting, warping and checking.*** Wood changes its physical dimensions with the uptake of moisture. This also promotes the growth of micro-organisms and insect attack.

***Reduction in acid rain attack.*** Rain now contains significant levels of acid, which attack brick and stonework. This acid also passes into the support structure and attacks metal support beams.

***Reduction in CO<sub>2</sub> transmission.*** Another important factor in protecting concrete structures. CO<sub>2</sub> assists in the reduction of alkalinity of the concrete, an important factor in protection of steel reinforced rods.

**Caution**

Once absorbed the substrate will show no outward sign of treatment. Some surfaces might darken slightly but no other change to the appearance or texture will be visible.

<b>Safety and Handling</b>	Please read Material Safety Data Sheet (MSDS) before handling.
<b>Product Specification</b>	This information is available on request through our local representative.
<b>Packaging</b>	This information is available on request through our local representative.

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**Quality Policy**                      The objective of our quality policy is the continuous fulfillment of the internal and external requirements agreed upon with our partners with regards to everybody's performance.

The Quality System of ADDAPT<sup>®</sup> Chemicals BV is based on the principles of the NEN-EN-ISO-Standard 9001 : 2019.

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**Liabilities**                              *All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations, buyer or user remains responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility thereof. Buyer has to ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with, and subject to, our general conditions of sale and supply.*

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