

Provisional Datasheet.

Typical chemical and physical properties

ADDAPT® HS 81/81C is a non-toxic and non-flammable water repellent, with a lustre/gloss finish for masonry. It gives excellent penetration in porous substrates and silicifies masonry substrates.

It is a proprietary blend of additives in water.

Appearance	White translucent liquid
Solid content	25,0 ± 1,0% (HS 81C)
Viscosity	< 50 mPa.s (25 °C)
Density	1,02 – 1,04 g/cm ³ (25 °C)
pH	10,0 ± 0,5

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

Applications and typical treat level recommended

- Aqueous water repellent treatment for masonry.
- Aqueous concrete sealer with dust-proofing and hydrophobic properties.
- Ready to use (HS 81C) or 2:1 dilution of HS 81C with water to obtain HS 81

Benefits

Easy to handle liquid providing a water repellent water vapour barrier (with a lustre/gloss finish). This allows internal moisture to be released without damage to the surface, whilst providing a water barrier to prevent further water ingress.

Concrete sealing with **dust-proofing** and hydrophobic properties; **silicifies masonry surfaces**.

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 effect 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 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 CO₂ transmission. Another important factor in protecting concrete structures. CO₂ assists in the reduction of alkalinity of the concrete, an important factor in protection of steel reinforced rods.

ADDAPT® HS 81/81C

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

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® Chemicals BV is based on the principles of the NEN-EN-ISO-Standard 9001: 2015.

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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Publication Number HY83245
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Version 1: 2024

