

SASOL
reaching new frontiers



Industrial Waxes Europe



Sasol Wax
THE WAX COMPANY - more than just wax



At a glance...

Sasol Wax is the leading specialist in innovative wax technology. Sasol Wax products are supplied world-wide into many different markets and are used in a diversity of applications.

Paraffin wax is the major raw material for the production of candles and many other applications in industries such as rubber & tires, chipboard, food-processing and packaging, pharmaceuticals, cosmetics, synthetics, inks paints & coatings, textiles as well as in road construction and many others.

For many decades Sasol Wax has concentrated on the development of paraffin waxes and specialty waxes for many different industries. Due to the large variety of our products, we are able to offer solutions suitable for almost all production processes.

Micro and macro crystalline paraffin waxes are renown for a broad spectrum of applications. Their use ranges from relatively simple applications to process oriented tailor-made products for state of the art production equipment. Specialties are created for innovative solutions, e. g. as medium for latent heat storage.

Paraffin waxes are complex mixtures of many substances. They consist of saturated hydrocarbons. These crude oil derivatives are purified and refined by modern, environmentally friendly technology (e. g. high pressure hydrogenation). Sasolwax is free of harmful substances. All highly refined products are constantly monitored by a stringent quality control and are non-toxic. Their environmental properties are characterized by good biodegradability and non-cumulative effects.

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Paraffin in the Construction Industry

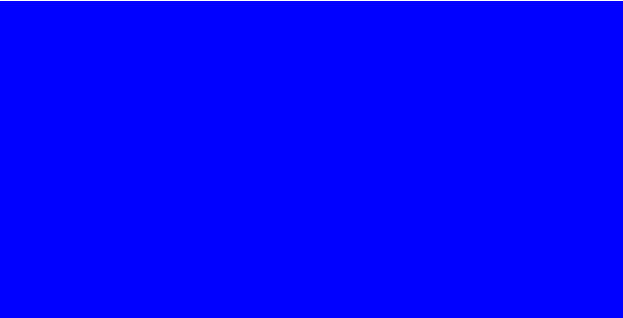
Paraffin waxes and formulations thereof are used in the construction industry as auxiliaries and offer a vast array of advantages. The addition of paraffin waxes or wax emulsion ensure concrete to cure evenly with desired surface appearance. In residential construction paraffin waxes are used in building materials with enhanced insulation properties. The ceramic and refractory industry uses paraffin waxes and emulsions to provide green strength, acting as a lubricant, sintering and processing aid. In the manufacture of tarpaulins paraffin waxes function as lubricating as well as sealing agents. For insulating materials like mineral wool specially formulated waxes and oil emulsions are commonly used as dust binders and hydrophobing agents.



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HydroWax 170 in Greenboards or Water Resistant Plasterboard

HydroWax is the trademark of Sasol Wax water based oil emulsions and wax dispersions. Globally available at consistent quality these products are manufactured at four production sites in Europe and South Africa.

Typical applications are within the paper, construction, latex and chemical industry. In addition highly specialized formulations are used in packaging, wood processing and ceramic industry.

HydroWax 170 has been developed to give excellent water resistance properties to greenboards, which is drywall suitable for humid areas. It contains carefully selected waxes in combination with finely tuned additives without using silicone.

As an advantage HydroWax 170 does not impact any foam generating surfactants contained in the gypsum slurry. This ensures the production of greenboards with consistent thickness and density.

Further more HydroWax 170 ensures the processability, flowability, setting as well as adhesion of the paper sheets to the core. In addition it does not interfere the internal recycling of material.

Since HydroWax 170 is off white it does not impact the colour of the plaster e.g. in the use of stucco.

Due to the low viscosity of HydroWax 170 it can be dosed accurately and easily. Its water content will contribute to the slurry make down. HydroWax 170 has a sufficient high pH number to avoid the use of any biocide in the wax dispersion.

Although this information is accurate to the best of our knowledge it cannot be considered as a guarantee. All formulas and descriptions are the intellectual property of Sasol Wax and therefore protected by copyrights.

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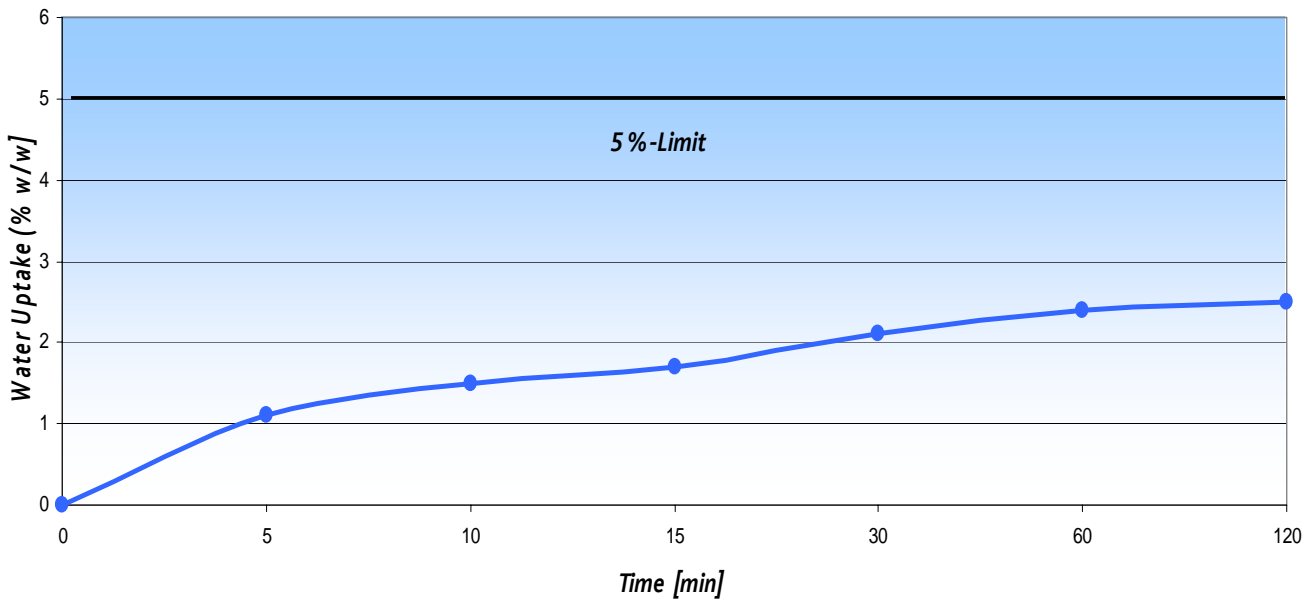


HydroWax 170 in Greenboards or Water Resistant Plasterboard

HydroWax 170	Water Content [%]	Viscosity [mPas]*	pH*	Emulsifier
	61 - 65	100	12	non ionic/ anionic

* typical values

Water Uptake (DIN 18180) in Plaster of Paris
with addition of 4,5 % HydroWax 170



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