



Special clays for potting soils and substrates

With its Florisol® brand, Stephan Schmidt Group offers a wide assortment of special clays for horticulture. Due to their different mineral composition, granulometry and chemical structure, Florisol® products cover virtually all requirements of horticulture, both in terms of controlling the chemical functions within the substrate and improving its physical characteristics.

All Florisol® products with the sole exception of Florisol® PA-30 are carbonate-free, have consistently low salt contents, are certified and monitored by RHP and suitable for use in organic substrates and vegan production. Except for Florisol® rubra, all Florisol® products are thermally treated at a temperature of more than 80 °C and therefore securely free of weed seeds or plant-damaging nematodes, licensed for export and very easy to dose even in case of frost. Florisol® products are available in bulk or packed in big bags. In addition, Florisol® PTS plus and Florisol® P-A 30 are offered in 25 kg bags.



Florisol® rubra

is a naturally-moist granulated clay available in the grain sizes 0-3 / 0-8 / 1-8 mm, which complies with basic requirements of nutrient buffering in horticulture and is characterized particularly by its cost-effective and low-carbon production. Due to its hard and slate-like structure, higher rates in substrates are possible without capping. Moreover, the grain size 0/3 is very well suited for improving the wettability of substrates.



Florisol® TM Profi

is an industrially dried granulate made of bentonite and relocated clays rich in iron. It is available in the grain sizes 0-1, 0-4 and 1-4 mm. In addition to its very good buffering of water and nutrients and fixation of harmful substances, the granulate stands out for its hard and stable structure with minimal tendency to capping. Moreover, all grain sizes are perfectly suited for improving the wettability of substrates. The grain size 0/1 is particularly used in cultivation systems.



Florisol® B-extra

is a thermally treated Ca-bentonite rich in iron for high-performance substrates and available in the grain sizes 0-0.7 and 1-5 mm. Especially in peat-reduced and peat-free products, Florisol® B-extra is able to buffer high concentrations of nutrients in the substrate and bind a large number of inorganic toxins. Chemical effects can be proven already with very small amounts of only 10 kg/m³. Due to the very low dosage, this product is predominantly supplied as powder.



Florisol® PTS plus & Florisol® P-A 30

These two thermally treated Florisol® products are fine powders on the basis of phyllosilicates which are produced under strict monitoring. Due to their very fine particles and their high sticking effect, they are perfectly suited for notably improving the rewettability and increasing the stability of blocking substrates and tray substrates. The grinding fineness may be adjusted to the specific requirements of each application. Chemical effects of these special clays are very small.