

Ventilation Sand Feeder

ECO FRIENDLY SOLUTION

Efflorescence, white areas on product surfaces, has for years been a problem for producers who make slabs and pavers.

Customers do not like the white spots on the surface. Especially on black and darker coloured products. This is the reason for receiving many complaints from the end-user.

Efflorescence is caused by a combination of circumstances: soluble salts in the material, moisture to dissolve the salts, and vapour transmission or hydrostatic pressure that moves the solution toward the surface. Water in moist, hardened concrete dissolves soluble salts. This salt-water solution migrates to the surface by vapour transmission or hydraulic pressure where the water evaporates, leaving the salt deposit at the surface. Particularly temperature, humidity and wind affect efflorescence. In the summer, even after long periods of rain, moisture evaporates so quickly that comparatively small amounts of salt are brought to the surface.

The new KVM Ventilation Sand Feeder is an effective weapon against the problem. It places an adjustable amount of sand between the layers of products in the stack, and thus reduces the efflorescence. The unit can be used for all types and sizes of concrete products.

The sand is dosed automatically by vibration feeding on the products before cubing.

