



K4

Anti set-off spray-powder

NATURAL
CALCIUM CARBONATE

K4plus

SURFACE TREATED
CALCIUM CARBONATE

Anti-set-off powders of the series **K4 and K4plus** are inorganic, mineral products made of natural calcium carbonate. Due to a special manufacturing process the single particles receive a rounded shape. The uniquely narrow and steady particle size distribution and the texture of the powder grains support easy and reliable handling. Both series are insensitive to normal humidity. They are storage-stable and are not soluble in water or alcohol.

The anti-set-off powder series **K4 and K4plus** fulfil the requirements of the BG ETEM industry agreement for low-dust anti set-off powders – except the finest powder K4/10.

Due to the high specific weight of calcium carbonate, **K4 and K4plus** are particularly low in dust and economical in use.

The dust accumulation in the delivery and around the printing press is reduced to a minimum with both **K4** as well as with **K4plus**.

The well-controlled particle size distribution and the good flow behaviour result in a uniquely uniform powder distribution on the printed sheet.

Anti-set-off powders of the series **K4 and K4plus** are neither hygroscopic nor sensitive to static charges. They can be sprayed evenly, which supports a good stack formation. Moreover, powder accumulation and comets can be avoided as far as possible in this way. **K4 and K4plus** are suitable for all powder application systems that disperse with air.

By a special process, **K4plus** additionally obtains particular surface properties, such as smooth feeling and excellent gliding characteristics.

K4 and K4plus are the only mineral anti set-off powders worldwide!

K4 and K4plus are available in the following units: 1 kg bag, 3 kg can, 25 kg bucket



Graphical representation

The principle of spacing



sorted quality product



unsorted accumulation of particles

Recommendation

| | Art print (glossy coated) | mat-coated and unbleached papers, closed surface substrate | rough and embossed paper, graphic cartons/ cardboards | one-sided coated cartons, cartonboard | special cases: special fine or coarse graduation is required | |
|----|------------------------------|--|---|--|--|----|
| 10 | | | | | ✓ | |
| 15 | up to 150g | | | | | 15 |
| 20 | up to 200g | up to 200g | | | | 20 |
| 30 | up to 250g | up to 300g | up to 350g | up to 400g | | 30 |
| 45 | | | over 350g | over 400g | | 45 |
| 60 | | | | | ✓ | |
| 80 | | | | | ✓ | |

The product and print technical recommendations shall give assistance in selecting the correct powder. There is no guaranteed security possible because of the variety of products on the market (such as paper, inks, varnishes, printing aids) as well as differences in the operation. An optimal function of the powdering unit is presupposing!

Free recommendation and test samples directly from the manufacturer: info@ksl-staubtechnik.de · www.ksl-staubtechnik.de