



# BöttcherPro Silux Anti-Set-Off Powders





# BöttcherPro Silux Spray Powders

Based on vegetable starch - gluten-free - very good flow properties -  
no blocking of spray nozzles - reduced fine dust

## Coated spray powders

for folding box manufacturing - on presses with high ink consumption, for corrugated cardboard and large-format sheet-fed printing, for inline coating with water-based varnishes and on presses with more than four printing couples. Waterproof, clump free, very good pourability, even at high humidity levels.

BöttcherPro	Grain Size	Application	Part No.
Silux 20	fine/medium	paper < 300 g/m <sup>2</sup>	801283
Silux 30	medium/coarse	cardboard	802131
Silux 50	coarse	heavy cardboard > 350 g/m <sup>2</sup>	802132



## Uncoated spray powders

for easier application on small presses - work and turn printing -  
multiple passes and overprinting in machines with less than four printing units -  
offline varnishing and laminating

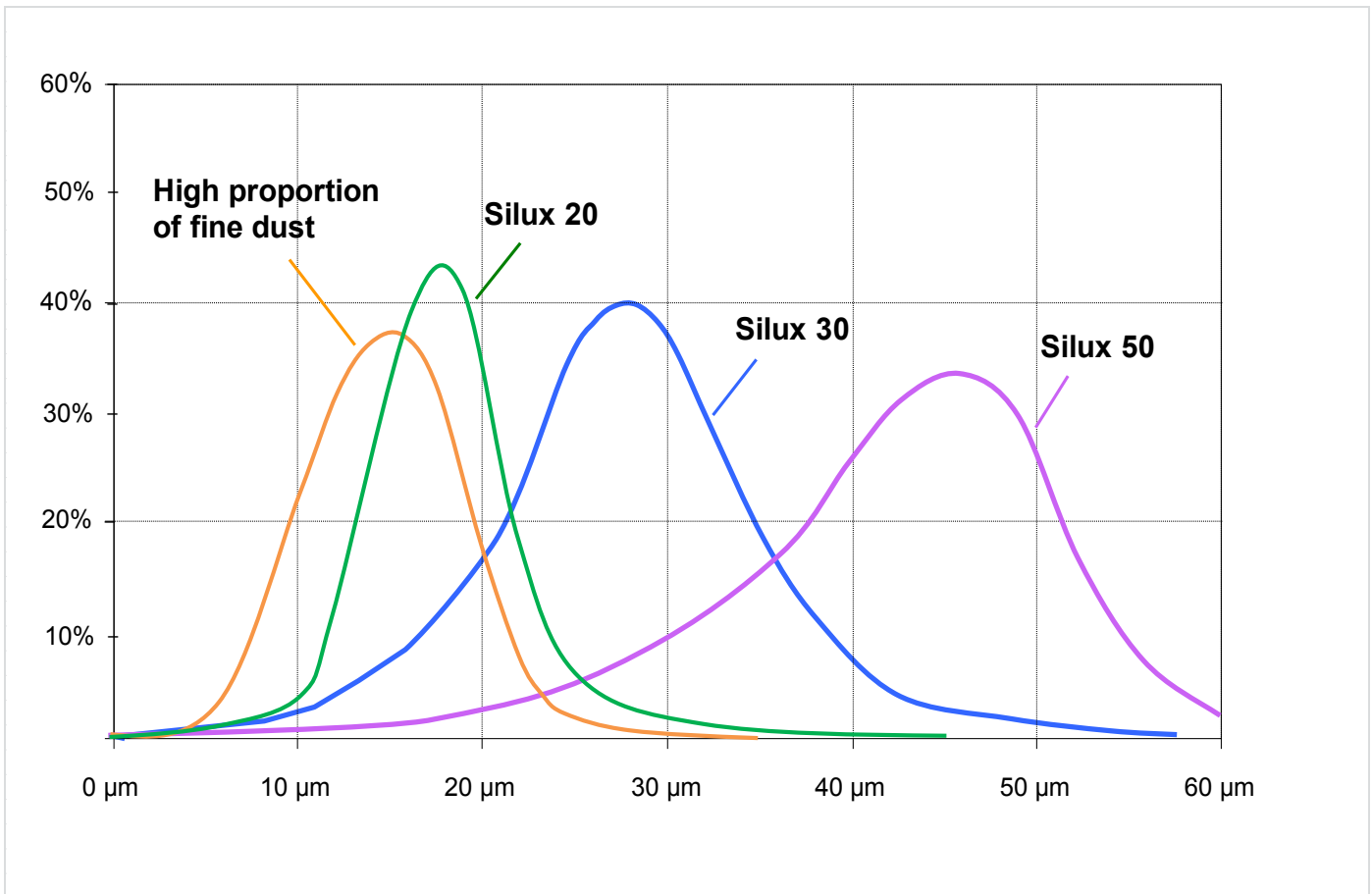
BöttcherPro	Grain Size	Application	Part No.
Silux 20R	fine/medium	paper < 300 g/m <sup>2</sup>	802133
Silux 30R	medium/coarse	cardboard	802134
Silux 50R	coarse	heavy cardboard > 350 g/m <sup>2</sup>	802135



Our low-dust powders are tested and certified annually by BG ETEM



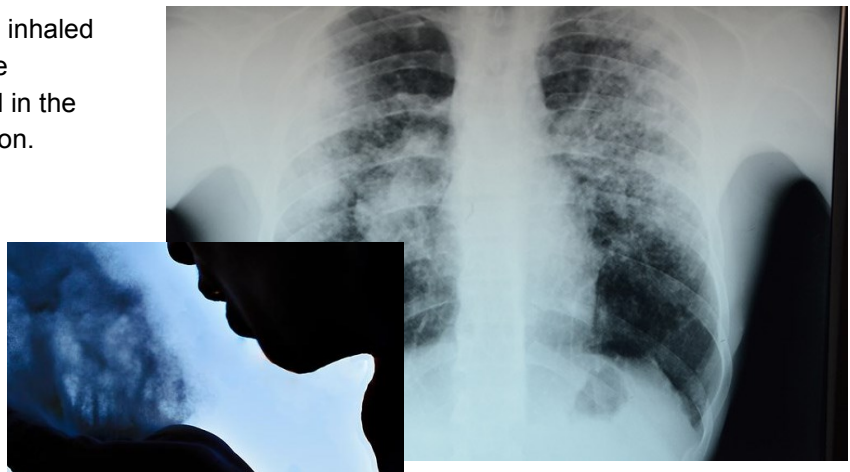
## Particle Size Distribution of Spray Powders

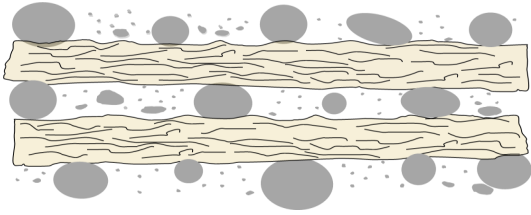


BöttcherPro Silux Spray Powders are fine dust reduced and have only a small amount of particles below 10 microns.

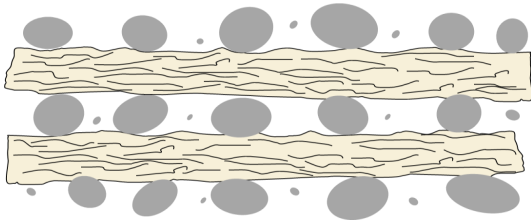
Many powders in the market are not fine dust reduced (orange curve), they have a high amount of fine dust particles below 10 microns. Coarse dust settles quickly, but fine dusts float for a long time in the air we breathe. They can be inhaled deep into the lungs.

The fine dust of the spray powder will be inhaled by the printer and enter the lungs via the respiratory passages, become deposited in the alveoles and can thus restrict lung function.





The particle size distribution of natural starch is very wide. Only the medium and big particles have a function.



Fine dust reduced powder is more economical and easier to use. The powder setting can be reduced up to 20%. In addition the maintenance and cleaning costs around the press will be reduced.



The electron microscope photo shows the uniform round shape of the starch based spray powder. The amount of fine particles is very low.

In the production process up to 10 percent by weight of fine particles will be extracted from the natural starch.



Powder with fine dust is harmful for the printer and pollutes the printshop.

Powder dust is floating in the air for a long time and settles down around the press on the floor, machine parts, lamps and pipes.



1-kg plastic pouches with screw cap are much better to handle. No spillage of spray powder when refilling



Uncoated spray powder absorbs moisture and sinks down in water immediately.

Coated spray powder is water resistant. Even in direct contact with water no formation of lumps. Very good flow properties and no clogging of the spray nozzles at high humidity.



## Additional information for food packaging printing

- is produced without chemical modification and without additional antibiotics, biocides, softeners or fungicides
- complies with EU directive 2002/95/EC (RoHS), CONEG (EU directive 94/62/EC) and DIN EN 71 Part 3: 1994, A1:2000/AC: 2002 (Safety of Toys, Migration of Certain Elements) and contains less than stipulated maximum quantities by weight of: lead, mercury, polybrominated biphenyl (PBB), polybrominated diphenylether (PBDE), chromate (chromium VI), cadmium as well as selenium, antimony and barium
- complies with instructions of Food, Consumer Goods and Animal Feed Code (LFGB) dated August 31, 2015
- complies with EU directive 2003/11/EC and is manufactured and introduced without hazardous substances
- complies with NEW REGULATION (EU) 10/2011 issued by publication in the Official Gazette dated January 14, 2011
- complies with EU 1935/2004 issued 10/2006 on plastic materials and articles intended to come into contact with food and repealing and EU 10/2011 issued 01/2011 on plastic materials and articles intended to come into contact with food
- complies with FDA directive 21 CFR §§ 175.105; 176.130; 176.170 and 176.180
- is gluten-free and complies with regulations 1169/2011 and 2000/13/EC concerning allergic reactions

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