



BILLERUD QUICKFILL®

SOLID BENEFITS FOR FILLERS



BOTH STRONG AND POROUS

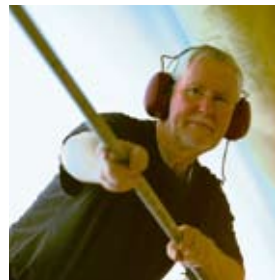
Billerud has a long history of making excellent sack kraft paper for the building, mineral, chemical and food industries.

Thanks to extensive research, we have developed a very special sack paper concept – Billerud QuickFill® – blending strength and porosity to perfection. Our QuickFill® grades qualify as some of the strongest sack kraft papers in the market.

WHAT ABOUT AIR RESISTANCE?

QuickFill® features excellent deaeration, meeting the most demanding filling requirements.

This paves the way for a new generation of sacks, offering cutting-edge benefits for both fillers and end users.





TEA FOR STRENGTH

Tensile Energy Absorption (TEA) is the standard way of measuring sack paper strength. The TEA value combines the paper stretch with the tensile strength. This is why TEA relates directly to the strength and quality of paper sacks. Our QuickFill® grades have an excellently balanced geometrical TEA. Drop tests have revealed that QuickFill® sacks are well suited to withstand rough handling. Due to the paper strength, you can optimise the sack weight. A two-ply 70 - 80 g/m² paper sack is normally more than enough to hold both 25 and 50 kg of powdered goods in place.

There is more. Area perforations reduce sack paper strength by some 20%, and sack breakage is messy, time consuming and costly for fillers. The high porosity of Billerud's QuickFill® paper means that perforations are not needed, so you are sure to get the paper strength you have paid for.





HIGH POROSITY ALLOWS QUICK FILLING

A high degree of porosity means low air resistance at filling. With QuickFill® the air escapes quickly during the filling operation. In fact, QuickFill® sacks do not require perforations – they are naturally porous.

Thanks to low air resistance, filling is speeded up. The sack will contain a minimum of excess air after filling, thereby making it possible to reduce sack size, while tests show that the sack holds the same amount as before – whether it is filled with cement, building materials, sugar, flour, titanium dioxide, plaster or other powdered goods.

You will almost certainly be able to increase filling productivity just by using QuickFill® sacks – provided your equipment is up to the challenge. Because of its superior strength and porosity, QuickFill® allows for a more efficient filling process.

It is that simple.



SWEEPING THAT DUSTY TRAIL

Traditional perforated sacks tend to leave a trail of dust in the filling operation. Thanks to our porous paper, which does not require perforations, you can look forward to a cleaner filling environment and less dusty sacks thereby keeping product waste to a minimum.





IN GOOD SHAPE

High paper porosity is the key. After filling traditional sacks, excess air is gradually released, leaving the sacks shapeless and hard to handle.

With QuickFill[®], however, the air escapes rapidly, which means there is no need for extra space in the sack. The high porosity allows filling to the brim, locking the valves firmly in the process.

QuickFill[®] sacks can be made significantly smaller than ordinary

well-dimensioned sacks. Thus, they take up less space, both filled and unfilled. As the complete sack can be filled it becomes compact and square. This makes the sack more efficient to palletise and easier to handle during transport. Less dust also reduces the risk of sacks sliding on the pallet.

On top of that, the sack is attractive when and where it really counts, at the point of sale and once it has been delivered to the customer.



SAFE HANDLING OF DANGEROUS GOODS

Our QuickFill® grades meet all strength requirements and norms. On many markets this is a prerequisite for successful packaging of dangerous goods. Sacks carrying these substances are often multi-ply sacks that include 2 - 3 paper layers.

Thanks to the high strength of QuickFill® there are excellent opportunities for sack weight reductions with maintained safety.





PACKAGING FOR **FOOD SAFETY**

All Billerud mills in Sweden are integrated pulp and paper mills. This means that we can keep tight control over the entire process from wood supply to ready made paper reels. Only virgin fibres and approved additives are used. That is why the QuickFill® grades meet the toughest international food safety requirements and are approved in accordance with the BfR and FDA food regulations.



EASY ON THE ENVIRONMENT

QuickFill® sacks are normally made of two-ply 70 - 80 g/m² paper or even single-ply 110 - 120 g/m² – a significant weight reduction compared to conventional paper sacks. On top of that, sack size can be reduced.

So, with lower packaging weights and reductions in raw material consumption, the transported weight and energy usage will drop. This means emissions to air and water are kept to a minimum. Reduced packaging waste also helps you save on disposal fees and taxes.

Billerud is a forerunner in environmental-friendly operations within the paper industry.

Come join us.





ALSO IN WHITE FOR SUPERIOR **PRINTABILITY** AND APPEARANCE

When it comes to strength, our white QuickFill® grades are by no means pale versions of their brown equivalents. In fact, they match each other for both strength and porosity. The white surface is ideal for sacks requiring an attractive appearance and high quality flexo print. This becomes more and more important in the growing segment of consumer sacks. One of the best ways to build and strengthen brand identity is to use white sacks with attractive printing.





BY OFFERING A LOT LESS, WE GIVE YOU A LOT MORE

HOW?

The paper sack can have a lower total weight, while still retaining its strength. Thanks to the high porosity, the sack volume can be reduced.

That translates into reduced paper consumption, lower transportation costs, less storage space requirements and lower waste disposal taxes.

On top of that, the low air resistance allows sacks to be filled to the brim, which results in smaller, more firmly packed sacks. Best of all, QuickFill® offer quicker filling of powdered goods.

And, since perforations are now a thing of the past, fillers can look forward to less dust, a cleaner workshop environment and less product waste.

For quick filling benefits, ask for QuickFill® from Billerud.







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