

# GoBond<sup>®</sup> L

**Additive for  
the surface treatment  
of containerboard**

**Energy saving**

**Starch efficiency**

**Machine runability**

**Stronger corrugated base paper**



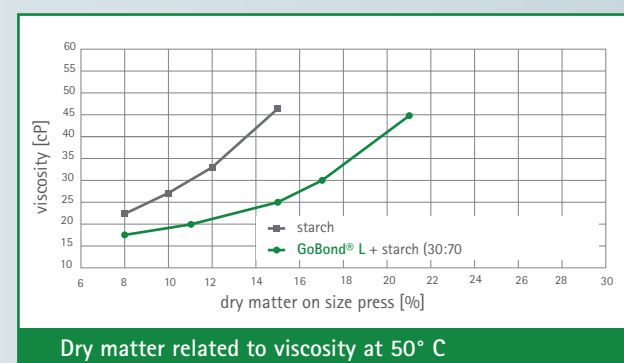
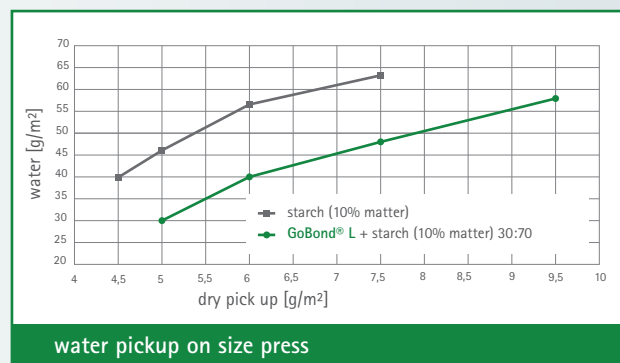
## Advantages with GoBond® L

For the production of container board GoBond® L is used as additive to increase mechanical properties like CMT, SCT, RCT.

GoBond® L is based on liginosulphonate and is used in combination with starch (mixing ratio: 20–40 % GoBond® L + 60–80 % starch) and improves result on classic size press as well as latest state film press.

GoBond® L gives the following advantages for the production of container board:

- >> Increase of mechanical properties.
- >> The dry content of usual starch solutions can be increased from 10–15% up to 25% by using GoBond® L. This means significant savings potential of drying energy at the dry end.
- >> Less degradation of starch, so higher output also there.
- >> Less water makes stronger paper already on size press as this is reducing the risk of paper-break.
- >> Because of reduced viscosity by using GoBond® L a better penetration of starch is achieved.



	100% starch	30% GoBond® L 70% starch	A typical GoBond® L Example fluting 100 g/m²
dosage [g/m²]	5	5	same applied quantity/same basic costs
CMT <sub>30</sub> [N]	155	171	» 10% higher strength » reduced grammage possible
SCT <sub>q</sub> [kN/m]	1,7	1,86	» sufficient strength reserves » lower raw material quality possible
concentration on the size press [%]	12	22	» double concentration » reduced paperbreak risk on size press » higher runrate » better penetration
water adding on paper [g/m²]	36,7	17,7	» reduced costs in starch cooking » higher output of starch » lower energy demand » 190 litre less water per ton of paper » approximately 50% less energy costs on paper dry end

Reference: PM 400.000 t/year, filmpress  
data calculated on 100% dry matter