

Longer life span for screen baskets with our premium coating

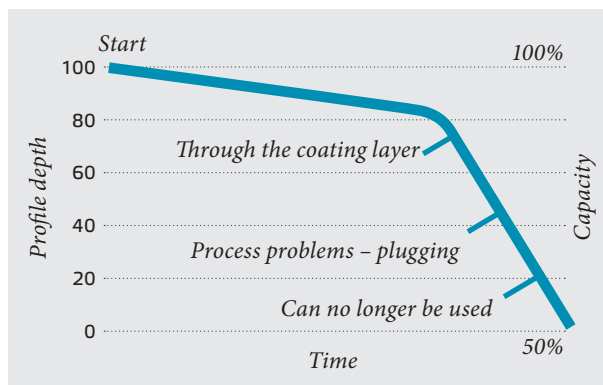
Valmet Screen Coating L



Valmet Screen Coating L is a response to the increasing use of recycled pulp and the special needs of high-wear screening applications. Screen Coating L features the most advanced materials to gain superior wear resistance for screen baskets. The use of our premium coating, Screen Coating L, extends the service lifetime of baskets, resulting in reduced costs for screening.

Wearing of profiles

The normal wear of a screen basket typically follows the curve below. As long as the wear does not proceed through the coating layer, the rate is fairly slow. Once the abrasive action starts to wear down the base material, the wear rate is five to ten times faster. Regular inspections can prevent unacceptable performance and pulp quality.



How to apply the coating

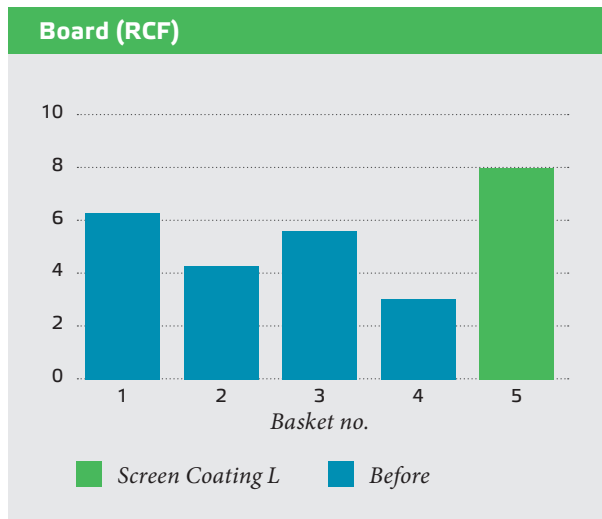
The thickest layer of coating is applied in locations with the greatest wear action. Wear on wedge wire baskets starts at the tip of the profile and works its way down. However, an excessively thick layer of coating results in a lower removal efficiency. Accordingly, a coating thickness of more than 300 microns is not recommended. We monitor the coating build-up very carefully during the whole coating process to meet our quality requirements. Careful pretreatment and coating are carried out at the same location under firm control. Because the profile depth and slot width are the most important parameters of a screen basket, the coating process must be completed accurately to ensure that the required screening performance and pulp quality are achieved.

Positive customer experiences

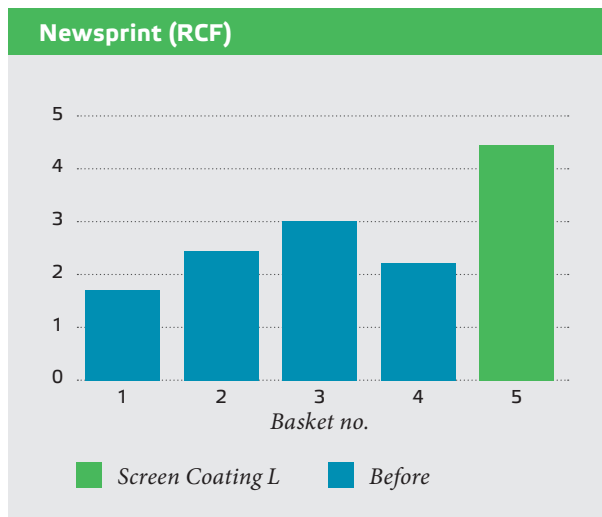
Screen Coating L is successfully running in all regions of the world. Below you can find examples of different applications where Screen Coating L has made a difference.

Recycled fiber

- At a Swedish board mill the life span of baskets used to be 3-6 months. Following the Screen Coating L trial, the baskets are still running after 8 months.

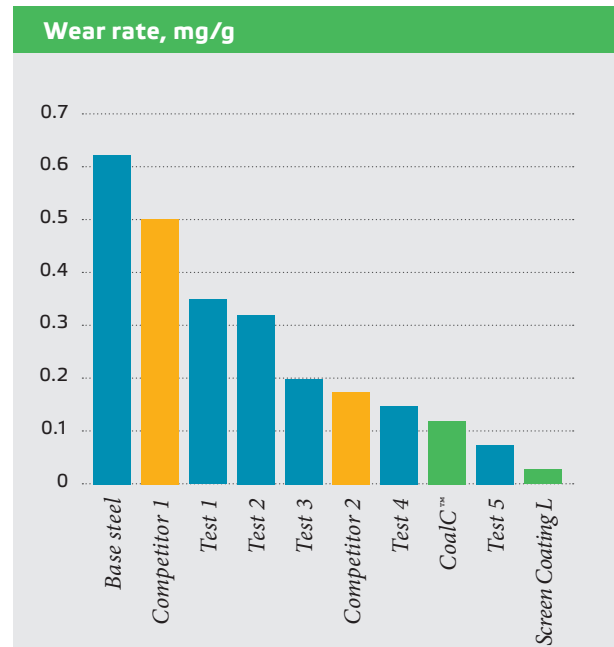


- At a Canadian newsprint paper mill the life span of baskets used to be two months. Screen Coating L has more than doubled this. The mill will continue trialling Screen Coating L in other screening positions.



Testing of coatings

Valmet is continually testing various types of coatings. The chart below shows only some of the hundreds of coatings tested to date.



Out of all the coating materials we have tested, we have found that nothing compares to Screen Coating L. (Note in the graph that the lower the bar, the better the wear resistance).

Reduce operative costs with Screen Coating L

We guarantee that utilizing Screen Coating L results in longer life span of baskets and decreases your operative costs. A longer life span will reduce the number of shutdowns, thus giving more uptime. This is a cost saving in itself.

Contact your Screen Product expert for more information on how to decrease your operative screening costs.