

CASE STUDY

KWO® CellFlon® Brown Pulp&paper industry



PRODUCT

KWO® CellFlon® Sheet Brown 3mm

INDUSTRIAL SECTOR

Pulp&paper.

APPLICATION

Rotary Valves.

PROBLEM DEFINITION

At one production site, the customer faced frequent sealing issues on rotary valve flanges. The previously used gaskets could not withstand the combination of vacuum and fine powder, leading to air ingress, product solidification, and recurring downtime.

The constant need to replace gaskets every few weeks placed pressure on both production and maintenance teams.

SOLUTION AND RESULT

KWO® experts recommended CellFlon® Sheet Brown, a PTFE-based material reinforced with silica filler. The introduction of KWO® CellFlon® Sheet Brown eliminated the short service life previously observed. The gasket maintained tightness far beyond standard replacement cycles, allowing the plant to extend maintenance intervals and significantly reduce costs associated with product loss and downtime.

APPLICATION PARAMETERS

Material: C.S.

Operating temperature: 80° C

Operating pressure: vacuum to 0.5 bar(g)

Medium: starch suspensions

Flange form/diameter: DN 200

Sealing surface: -

Bolts: 12xM20

Torque: -

Previous seal: skived ptfe + silica filler

