



Fire and Explosion Protection of plywood productions

Plywood consists of several thin layers of wood which are glued with each other crosswise. Depending on the application, materials like veneer or solid timber are used. However, the production processes, such as the drying of the rotary-cut veneer, the production of solid wood core layers and the pressing of the combustible materials to plywood panels, hold various risks of fire. Sparks, glowing embers or particles, generated in different plant areas, can easily cause serious fire and explosions. A GreCon spark detection and extinguishment system significantly increases the safety and protection of the production facilities. It detects dangerous ignition sources in time and automatically extinguishes them without interrupting production – and has done so successfully for more than 35 years.

THE RIGHT SOLUTION

- ✓ a fast, reliable spark extinguishing system which is especially adapted to your production
- ✓ the detection of sparks and glowing particles in the areas at risk
- ✓ protection without interrupting production

RISKS

The main dangerous spots are in the area of dryers and machine tools, such as saws and sanders. Defective machine parts and overheating of the material can generate ignition sources. Sparks or glowing particles can be created and reach, via extraction and conveying facilities, filters, silos or bins where they can cause fire and dust explosions.

DANGER ZONES

Fire or explosions in plywood productions can damage or even destroy the facilities. A GreCon spark detection and extinguishment system monitors and protects the following areas at risk

- ✓ Dryer
- ✓ Conveying facilities
- ✓ Press
- ✓ Cut-off saw
- ✓ Extraction system
- ✓ Cyclone
- ✓ Filter
- ✓ Silo

DIAGRAM OF PROTECTION CONCEPT

