



FIRE RESISTANCE BELT

FORECH's flame-resistant conveyor belts are engineered using advanced materials and technology to prevent fire spread and enhance safety in hazardous environments. Designed to minimize fire propagation and safely dissipate static electricity, these belts meet stringent international safety standards. They combine fire retardancy with durability, ensuring long-lasting performance without compromising wear resistance. Available in multiple safety classifications, they provide reliable protection for both above-ground and underground applications.

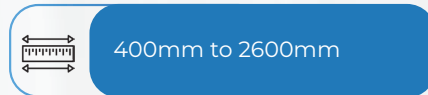
PRODUCT FEATURES

- Compliance: Meets leading international safety standards including EN 14937, EN 12882, ISO 340, FRAS, and MSHA
- Static Safety: Enhanced static conductivity safely dissipates static electricity, reducing spark risks
- Durability: Durable design ensures long service life without



PRODUCT RANGE

BELT WIDTH



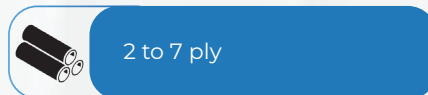
NOMINAL BELT STRENGTH



EDGE



NO. OF PLYS



SPLICING METHOD



APPLICATIONS



Underground and hard rock



Cement Industry



Steel Industry



Power Plant

DATA: TECHNICAL INFORMATION

| Fire Resistant Test compliance to Standard | Minimum Tensile Strength | Minimum elongation at Break (%) | Maximum Abrasion Loss (mm ³) | Application Characteristics |
|--|--------------------------|---------------------------------|--|--|
| FR MSHA 2G | 15 | 350 | 190 | Moderate resistance to flame for over ground application |
| FR CAN - C | 17 | 400 | 175 | Good resistance to flame for over ground applications |
| FR DIN K | 17 | 400 | 175 | |
| FR IS 1891 | 17 | 400 | 175 | |
| FR - AS F | 17 | 400 | 175 | Very good resistance to flame, suitable for high risk over ground/low risk underground application |
| FR - DIN S | 17 | 400 | 175 | |
| FR - SANS 971:2003 | 17 | 400 | 175 | |
| FR MSHA BELT (PART 14) | 15 | 400 | 200 | Excellent resistance to Flame propagation, suitable for underground mining application |
| FR - SANS 971:2013 | 15 | 400 | 170 | |
| FR AS 4606:S | 20 | 400 | 120 | |

TABLE : SUMMARY OF SAFETY CLASSES FOR CONVEYOR BELTS FOR UNDERGROUND INSTALLATIONS

| CLASS | APPLICATION | SURFACE RESISTANCE EN ISO 284 | DRUM FRICTION EN 1554, Method B2 | | | | | FIRE PROPAGATION METHOD |
|-------|---|-------------------------------|----------------------------------|-----------|--------------------------|--|---------------------------------|---|
| | | | Flame | Glow | Max. drum temperature °C | Aggregate of each set of six test pieces | Maximum for any one test pieces | |
| A | General use, only hazard being limited access and means of escape | ≤ 300 MΩ | No | Permitted | No limit | < 45/45b | 15 | EN 12881-1:2014, Method A. If incomplete ignition achieved, use Method B or C |
| B1 | As Class A plus potentially flammable atmosphere. No secondary safety devices | ≤ 300 MΩ | No | No | 450 | < 45/45b | 15 | EN 12881-1:2014, Method A. If incomplete ignition achieved, use Method B or C |
| B2 | As Class A plus potentially flammable atmosphere. With secondary safety devices | ≤ 300 MΩ | No | Permitted | No limit | < 45/45b | 15 | EN 12881-1:2014, Method A. If incomplete ignition achieved, use Method B or C |
| C1 | As Class B1 plus combustible dust or material conveyed. No secondary safety devices | ≤ 300 MΩ | No | No | 325 | ≤ 18/30b | 10/15b | EN 12881-1:2014, Method B or C |
| C2 | As Class B1 plus combustible dust or material conveyed and additional fuel sources (fire load). With secondary safety devices | ≤ 300 MΩ | No | Permitted | No limit | < 45/45b | 15 | EN 12881-2, or EN 12881-1:2014, Method D for belts according to Table 1 |