

RAILWAY INDUSTRY STANDARDS

철도관련 산업 규격에서 과거에는 각 국가별로 적용 규격이 서로 상이했습니다.

1. 독일 ; DIN 5510 :
2. 영국 ; BS 6853
3. 스페인 ; RENFE DT-PCI 5A
4. 프랑스 ; NF F 16-101
5. 이탈리아 ; UNI CEI 11170
6. 미국 ; NFPA 130

그러나 최근 2013년 EN 45545으로 적용이 전환되고 있습니다.

EN 45545-1 – GENERAL

1. DEFINITIONS
2. 4 OPERATION CATEGORIES ; HL1~ 3, (터널이나 교량을 주행하는지의 여부 및 위 조건에서 장시간 주행하는지 여부 등으로 분류)
3. 4 DESIGN REQUIREMENTS ; R1-interior wall & Ceiling . R4-Lighting Appliance. R6-Back & shell of passenger seats (표준;최소안전조건, 자동운전열차의 훈련된 비상요원의 승탑, 2층열차, 침대열차;최고안전조건, 등으로 구분)
4. FIRE SAFETY OBJECTIVES – HAZARD LEVELS

EN 45545-2:2013-REQ'TS FOR FIRE BEHAVIOR OF MATERIALS AND COMPONENTS

1. • MATERIAL CLASSES
2. • REQUIREMENT CLASSES
3. • TEST METHODS ; Reference only, Heat release MARHE, T03.01, ISO 5660-1 ; Smoke Density & Toxicity T010.01, ISO 5659-2 ; Lateral Flame Spread, ISO 5658-2,

Test specimen size in details :

ISO 5658-2 "Surface spread of flames" (Test T02)

795mmx 153mm. Thickness as in use but not greater than 50mm.

Note: The width of 155mm is maximum that can be tested. The maximum length is 800mm.

Number required for full test : 5 specimens cut in each direction.

EN ISO 5659-2 "Toxicity emission test at 50 kW/m2 as called up in EN45545-2. Annex C (Test T11.01)

시험 및 인증 정보 (Test & Certificate)

Tel : +82-2-980-9800 www.anycerti.com info@anycerti.com Prepared by Technical Team

75±1mm X 75±1mm. Thickness as in use but not greater than 25mm

Number required for full test : 5

ISO 11925-2 test called up in EN 45545-2

Each specimen should be 250mm long and 90mm wide. (Tolerance is +0 mm -1mm) Specimens of normal thickness 60 mm or less shall be tested using their full thickness.

Specimens of normal thickness greater than 60 mm shall be reduced to a thickness of 60 mm by cutting away the unexposed surface. If it is necessary to reduce the specimen size in this manner, the cut surface shall not be exposed to the flame.

Three specimens shall be cut lengthwise and three others crosswise. A further set of six specimens may be required to repeat the test

Number of specimens required : 5 in each directions