

FIRE RATED ROLLER SHUTTER

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FIRE RATED ROLLER SHUTTER

FirePro E240 is designed to provide an elegant look for industrial buildings, as a fire resistant rolling doors to protect the sections of the buildings from fire, as well as a barrier on a frequent daily basis use. The door can resist to 1149 Celcius heat up to 240 minutes in accordance with EN 16034.



DOOR CURTAIN FIRE RATED ROLLER SHUTTER

The special design of KP80 Single Skin Curved Profile makes the curtain resistant to fire. Due to curved design of the profile bigger dimensions such as 10 meter length & 8 meter height are possible (in accordance with EN 15269-10 calculations).



Optional Design Feature
All the steel components of the fire resistant rolling doors can be coated in any desired RAL colour.

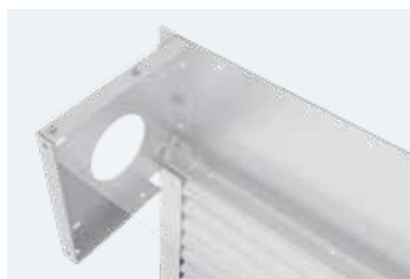


DOOR CURTAIN BOTTOM RAIL PROFILES

The bottom rail is reinforced with double L shaped brackets. Deflection resistant bottom rail is a key element against fire due to the fact that deformation starts from the bottom of the door.



GUIDES AND BRACKETS



The guides make the curtain resistant for any kind of force on both external and internal sides. Besides, brackets is the key component to merge all construction together. Brackets unify the body of the door and make the hood and barrel section of the door more resistant to fire up to 240 minutes. All parts are laser cut and anchoring holes are pre-determined.

DRIVE AND SHAFT SYSTEM



Diameter of the tube determined by the calculation made according to the directive EN 16034 and EN 15269-10. CNC laser-cut flanges and hexagonal design axles perfectly match with pipe.

The drive used by default is a chain drive with three phase electric power. The door shaft is driven by a chain-transmission. Wide range of drive torques is available. Temperature control release device (fire safety fuse) can be used to release the door when environment temperature reaches to a certain degree. We always recommend to use the doors directly with fire alarm system. Besides these drives are not suitable for frequent cycles but direct drives or chain drives which allows frequent cycles are available.

HOOD AND HOOD SUPPORT



1.5 mm thick and square formatted double L shaped hood is reinforced with special design 10 mm thick hood support. Again all parts are laser cut and anchoring holes are pre-determined



CERTIFICATION



EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.
Dilovası OSB Mahallesi Frat Caddesi No: 18
Dilovası KOCAELİ/TÜRKİYE
www.effectis.com

TEST CERTIFICATE

Certificate Nr: EEA – 1900 – 0021-REV

The related resistance to fire test was carried out at **Efectis Era Avrasya Test Laboratories** on 27.12.2018 in accordance with EN 1634-1:2014 + A1:2018 standard for the product as described below:

"Fire Pro E 240" STEEL ROLLER SHUTTER

FIRE RESISTANCE CLASSIFICATION	
Direction: Mounted on exposed side	E 240
Direction: Mounted on unexposed side	E 240

Placed on the market by
KEYPENK OTOMATİK KAPI ve KEPENK SİSTEMLERİ METAL PLASTİK SAN. VE TİC. A.Ş.
Bağlar Mah. Yalçın Koreş Cad. No:6/B Güneşli-Bağcılar /İSTANBUL/TURKEY

And Produced In the Factory
KEYPENK OTOMATİK KAPI ve KEPENK SİSTEMLERİ METAL PLASTİK SAN. VE TİC. A.Ş.
Bağlar Mah. Yalçın Koreş Cad. No:6/B Güneşli-Bağcılar /İSTANBUL/TURKEY

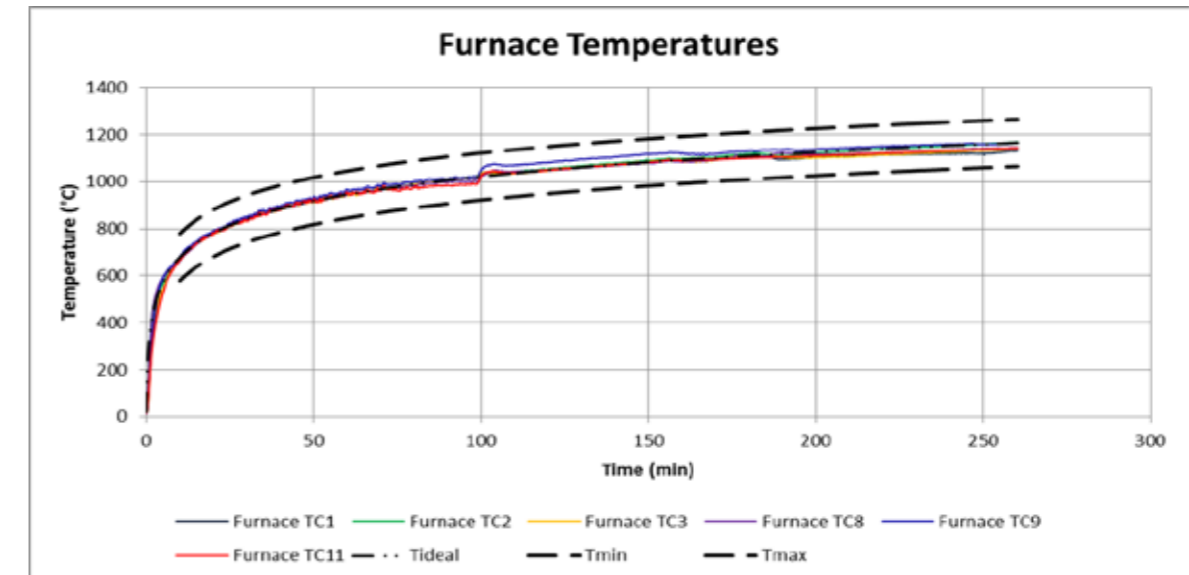
This test certificate is a declaration of the test results and does not represent any type approval or certification of the product. All details related to product specifications and field of application are described in the report **EEA – 19– 014**. This certificate is initially valid until **12th February 2021** providing that no significant modifications are made in technical specification of the specimen and related test and classification standards.



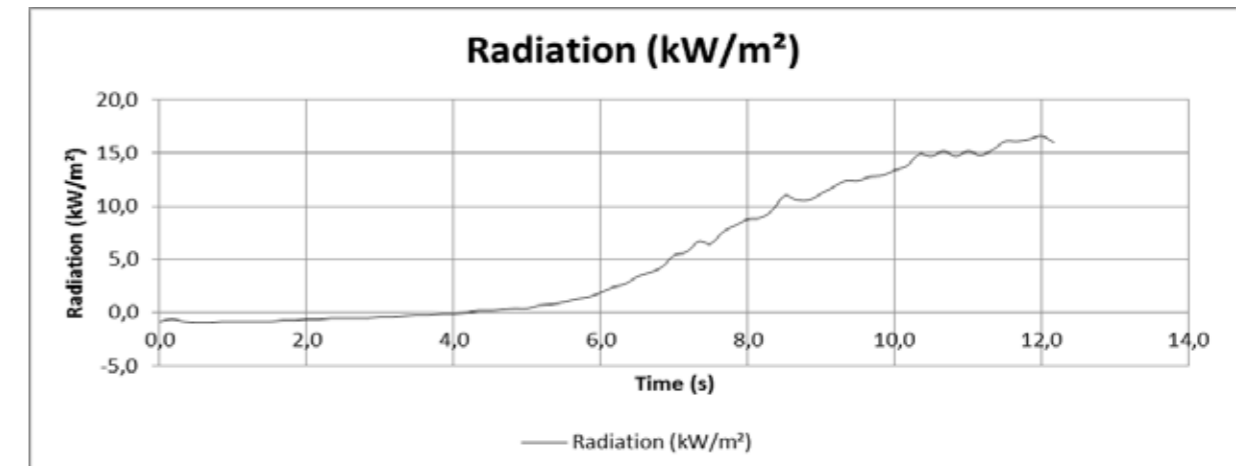
Ali BAYRAKTAR
Laboratory Manager
12.02.2020



FURNACE TEMPERATURE EVALUATION DURING TEST



RADIATION EVALUATION DURING TEST

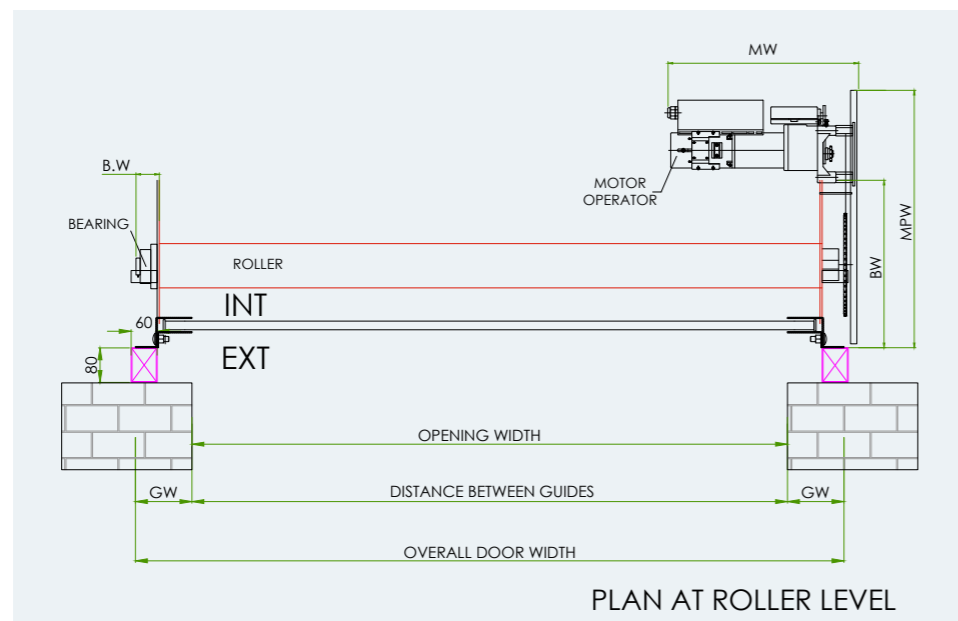
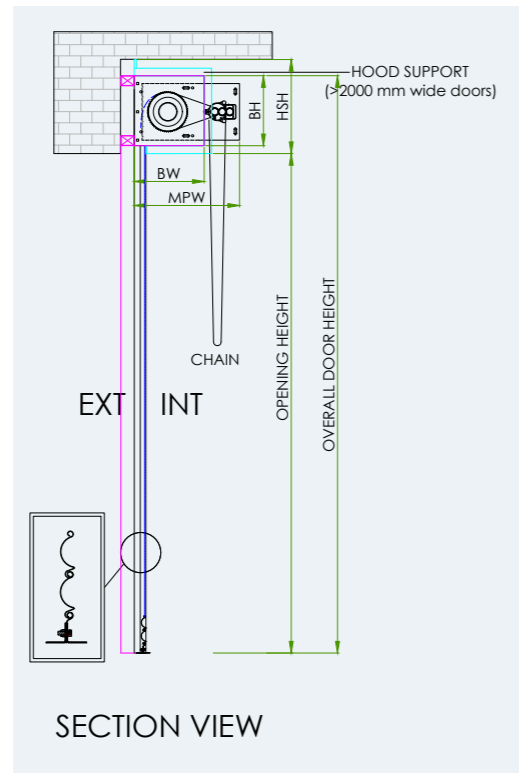


CLASSIFICATION	FIRE RATING	MAX.WIDTH	MAX.HEIGHT
E	120 m	10.000 mm	6.000 mm
E	240 m	7.000 mm	5.000 mm

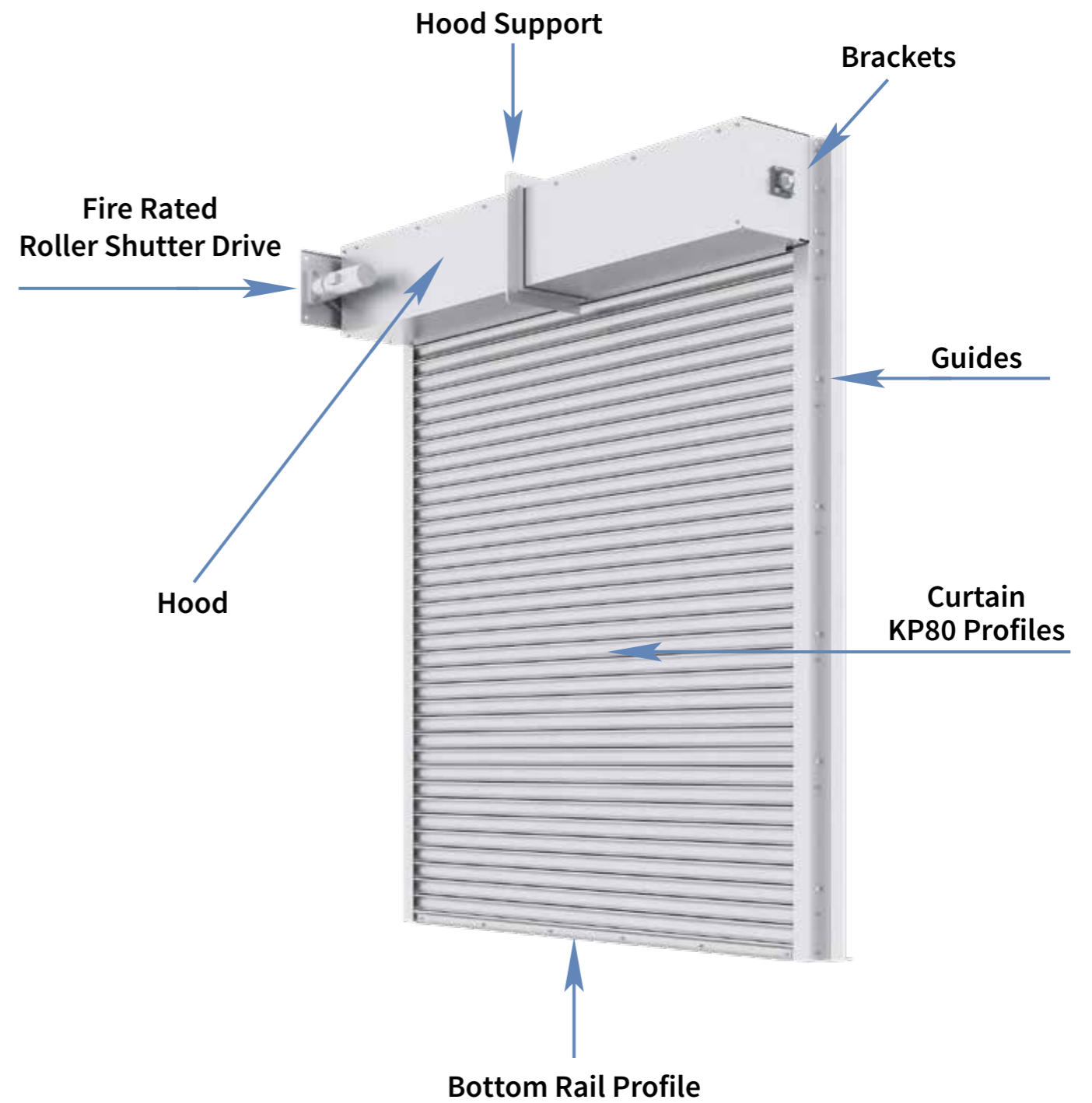
Above data based on the following reports:

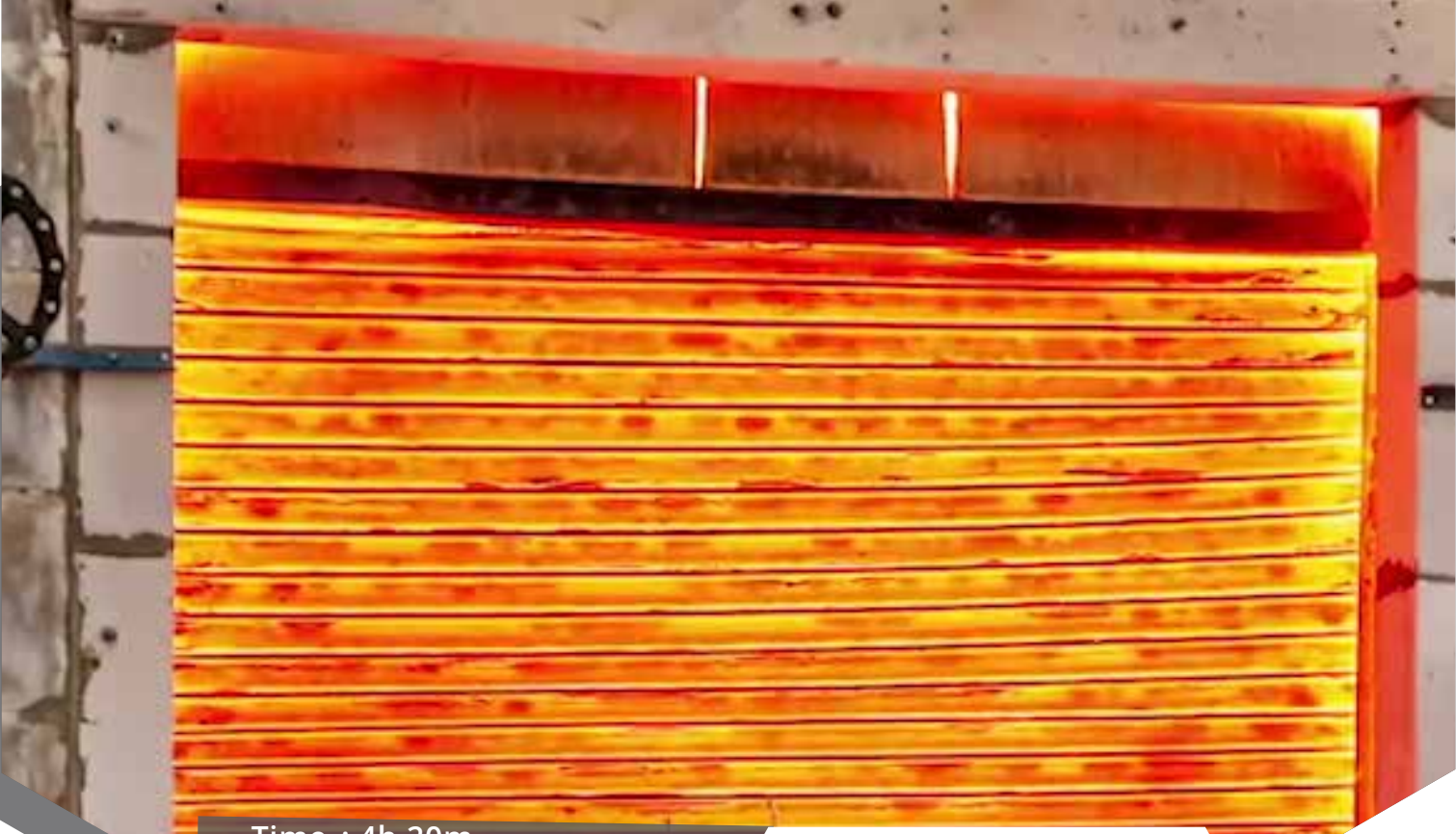
Efectis, EEA-19-059 dated 22.08.2019

Efectis, EEA-19-058 dated 22.08.2019




BW	Bracket Width	MPW	Motor Plate Width	MW	Motor Width	HSH	Hood Support Height
BH	Bracket Height			B.W	Bearing Width		
				GW	Guide Width		





Time : 4h 20m
Temp: 1149 °C



**Keypenk Otomatik Kapı ve
Kepen Sistemleri Metal Plastik
San. ve Tic. A.Ş.**

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