INSPECTION REPORT

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Sample ID: **Yangına Dayanıklı B1 Poliüretan Köpük**

	TEST	METHOD	SPECIMEN	RESULT
*	**Fire Resistance Tests For Service Installations - Part 4: Linear Joint Seals**	**EN 1366-4**	**Yangına Dayanıklı B1 Poliüretan Köpük**	**SEE TABLES**

Seal

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Environment

The requirements and standards apply to equipment intended for use in

X	**Residential (domestic) environment**
X	**Commercial and light-industrial environment**
X	**Industrial environment**
X	**Medical environment**

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EN 1366-4 - Fire Resistance Tests For Service Installations - Part 4: Linear Joint Seals

Scope

This part of the EN 1366 series specifies a method for determining the fire resistance of linear joint seals based on their intended end use.

Conditioning

At the time of the test, the moisture content of the test specimen shall approximate to those expected in normal service. The test specimen shall preferably not be tested until it has reached an equilibrium moisture content resulting from storage in an ambient atmosphere of 50 % relative humidity at 23 °C.

Test Construction

For the purpose of testing, joints may be formed in monolithic slabs or through adjacent individual members.

The joint sealing is to be installed according to the manufacturer's instructions. The flame-exposed length of the sealing system must be at least 900 mm.

Several individual joint seals may be installed in the test construction in order to assess the behavior of different systems or the effect of different substrates on the joint flanks if the following requirements are met:

- The minimum distance between two adjacent seals must not be less than the thickness of the supporting structure, but at least 200 mm. On the non-flamed side, the minimum distance between adjacent seals must not be less than 200 mm. If a monolithic panel is used for rigid joints, the minimum distance between all edges of the joint and the edges of the supporting structure must be 200 mm.
- The test structure can either be installed in the opening of the test furnace or placed on the wall of the test furnace. The minimum width of the supporting structure parts bordering on the edges of the opening of the test furnace must be selected in such a way that there is a minimum distance of 200 mm between the longitudinal edge of a joint seal and the inner surface of the test furnace.

The minimum distance between a joint flank and an adjacent receding edge must be at least 200 mm.

Procedure

The tests must be carried out in accordance with EN 1363-1.

- Restraint application

Depending upon its design, relevant restraint may be provided by constructing the specimen inside a rigid frame. This method shall be used for partitions and for certain types of floors, as appropriate. In such cases, any gaps between the edges of the test specimen and the frame shall be filled with non-compressible material.

- Commencement of test

Not more than 5 min before the commencement of the test, the initial temperatures recorded by all thermocouples shall be checked to ensure consistency and the datum values shall be established. Similar datum values shall be obtained, e.g. for deflection, as appropriate, and the initial condition of the test specimen shall be noted.

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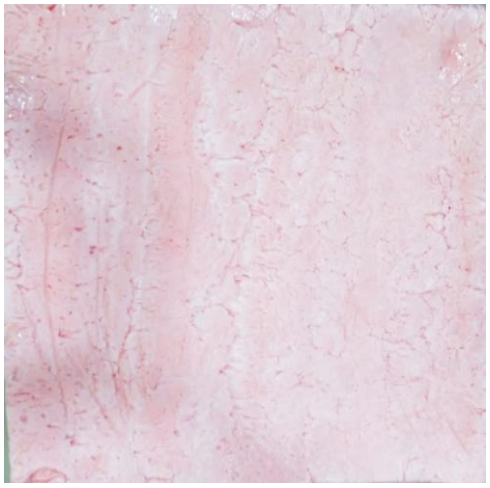
The initial average temperature of the internal thermocouples, if used, and of the unexposed surface temperature of the specimen shall be in the range of 10 °C to 40 °C and shall not differ from the initial ambient temperature by more than 5 K.

Prior to the commencement of the test, the furnace temperature shall be less than 50 °C. The commencement of the test shall be considered the moment when the programme to follow the heating curve has been initiated (igniting the burners). The elapsed time shall be measured from this point and all manual and automatic systems for measurement and observation shall begin or shall be in operation at this time, and the furnace shall be controlled to comply with the temperature conditions.

TEST RESULT

Wall thickness (mm)	Joint Material	Joint Dimensions		Integrity (E) (minutes)		Insulation (I) (minutes)
		Width (mm)	Depth (mm)	Cotton Pad	Sustained flaming	
95 mm	Polyurethane foam	490	95	228		228

SPECIMEN IMAGE



End of Report

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