

COMPARATIVE RESULTS to Fire Reaction

PRODUCT: **Spray Cork _ ISOLATE (GARDENIA)** ↔ **Spray Cork (Other Company)**

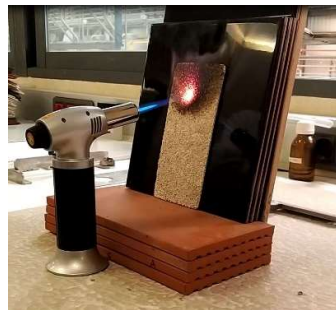
1. Practical Laboratory test by Gardenia, direct flame exposure for 90 seconds.

Other Company.

t = 5 seconds



t = 20 seconds



t = 30 seconds



t = 50 seconds



t = 70 seconds



GARDENIA

t = 5 seconds



t = 20 seconds



t = 30 seconds



t = 50 seconds



t = 70 seconds



Final Aspect of Samples



Other Company



Gardenia ISOLATE



2. External Laboratory Testing. Certification test (Standard EN 13501-1:2018 SBI test "single object burning").

Parameter	GARDENIA ISOLATE	OTHER Company's product
FIGRA (FIGRA 0,2 MJ / FIGRA 0,4MJ) Fire Growth Index	FIGRA 0,2 MJ = 67,68W/s (-63%) FIGRA 0,4MJ = 43,50W/s (-80%)	FIGRA 0,2 MJ = 110,71W/s FIGRA 0,4MJ = 78,44W/s
THR _{600s} Total Heat Release	THR _{600s} = 1,04 MJ (-65%)	THR _{600s} = 1,72 MJ
SMOGRA Smoke Production Growth Rate	SMOGRA = 11,06 m ² /s ² (-177%)	SMOGRA = 30,69m ² /s ²
TSP _{600s} Total Smoke Production	TSP _{600s} = 72,31 m ² (-112%)	TSP _{600s} = 153,47 m ²
Falling of inflamed droplets and particles	Negative	Negative
Class	B-S2,d0	B-S2,d0

• **Note:**

Classification criteria EUROCLASS B = FIGRA ≤ 120 / THR ≤ 7,5

Classification criteria S2 = SMOGRA ≤ 30 / TSP ≤ 200

Classification criteria d0 = No Falling of inflamed droplets and particles