SMALL-SCALE SINGLE BURNING ITEM FOR THE STUDY OF THE FIRE BEHAVIOR OF BUILDING MATERIALS

GDR FEUX 2021

Alexandre Gossiaux – 3rd PhD year

Supervisors : Sophie Duquesne & Séverine Bellayer ISP team / UMET (Lille)

By MS TEAMS - 01/07/2021









20/07/2021



Setting





4



• The size of the structure and the size of the samples were reduced by 3

• The burner power has been reduced from 30.7 kW to 1.51 kW





Application to a case study



20/07/2021





Conclusion

- A new reduced scale bench test based on the standard SBI (EN138323) has been developed for research and development purposes
- Discriminates well the effect of flame retardants on this kind of material
 - □ The test is highly versatile
 - \Box Correlation with SBI \rightarrow In progress

Thank you for your attention

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