



Holistic implementation of European thermal treated hard wood in the sector of construction industry and noise protection by sustainable, knowledge-based and value added products.





Presentation of the HOLIWOOD-Project and Products

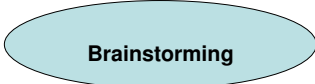
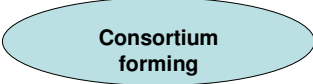

 





Presented by:
Dr. Thomas Schmidt


 PROJECT NO. NMP2-CT-2005-011799  PROJECT ACRONYM: HOLIWOOD 

  **Start**


  

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HOLIWOOD in brief (2)

- Funding: 6th EU-Framework Programme for RTD, Priority: NMP; Instrument: IP_SME
- Duration: 48 month (start: 2005-07-01)
- Budget: € 11 Mil., EC-contribution: € 6 Mil. (= 54%)
- Effort: 1.304 person-month
- CO: Profactor Produktionsforschungs GmbH (Ö)
- CR: 19 partners from 9 European countries thereof 14 SMEs, for ca. 2/3 it is the first EC-project!


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Team Building





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HOLIWOOD

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HOLIWOOD

HOLIWOOD in brief (3)

HOLIWOOD CONSORTIUM

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HOLIWOOD in brief (1)

The goal of HOLIWOOD is the implementation of thermal treated hard wood in form of three industrial applications:



eco² building



Thermoflooring



Noise Protection
Barrier System




Timber



Reed



Powder Coatings






Sol-gel

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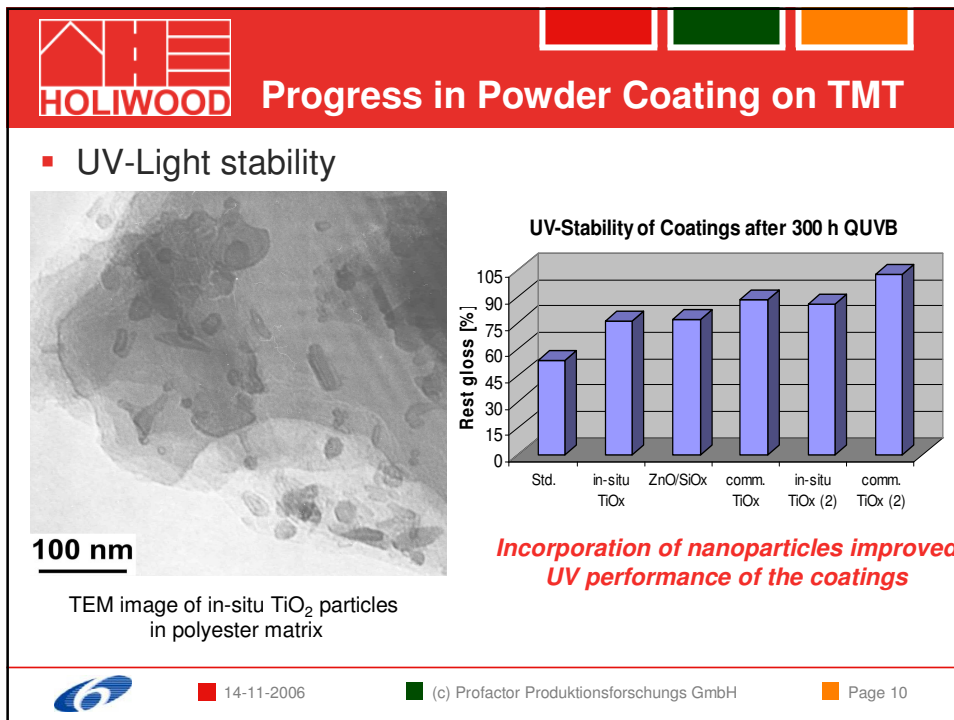
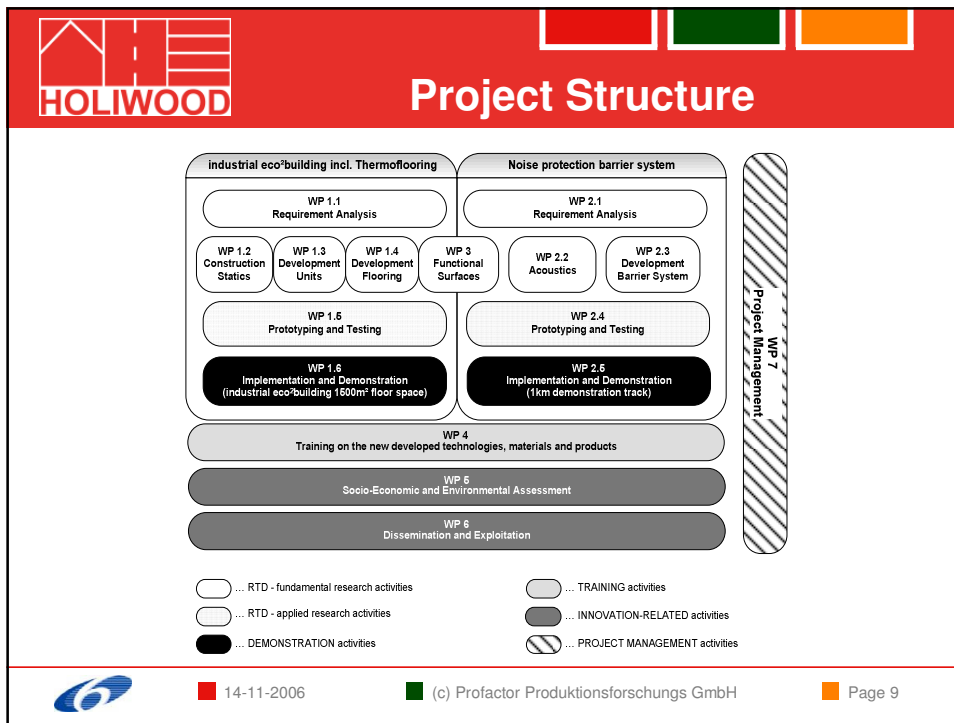
Project Objectives

The goal of HOLIWOOD is the development and holistic industrial implementation of thermal treated hard wood in form of

- Pre-fabricated industrial eco2buildings with floor spaces between 300 and 5000m² in passive house quality.
- Thermoflooring, glue less solid wood flooring, also usable in renovation like laminate flooring, offering functional surfaces.
- Noise Protection Barrier System made from heat treated wood with noise absorbing parts made from reed and solutions solving the problem of noise diffraction on the top of the barriers.

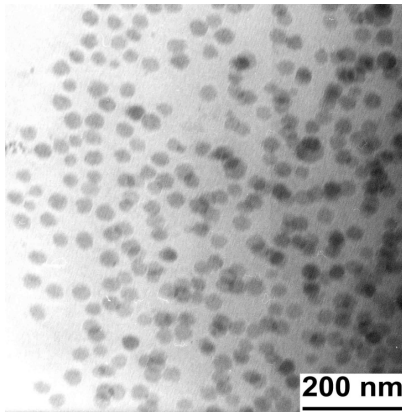




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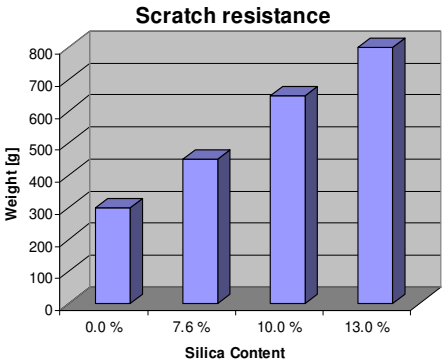


Progress in Powder Coating on TMT

▪ Scratch resistance



TEM image of SiO₂ particles
In polyester matrix



Silica Content (%)	Weight [g]
0.0 %	~350
7.6 %	~500
10.0 %	~700
13.0 %	~800

Scratch resistance was more than doubled.


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EU Project from TIGER point of view


- High efforts on proposal writing and project planning
- High risk of refusal
- Complicated project structure with many partners needs well controlled project management
- High administrative requirements

- Financial support
- Good cooperation between partner companies and research institutes
- Long term product development cooperation with customers

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Thanks for your attention!


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