# Alternative2Energy

Light on energy

High on efficiency

Kingspa

Light on the planet



### At a Glance



- A world leader in high performance insulation
- Market leading positions in UK, Mainland Europe, North America and Australasia
- Proprietary technology drives differentiation in product performance

#### Insulated Panels (49%)



- Insulated Roof & Wall Panel Systems
- Building integrated Solar ΡV
- Benchmark Façade Systems
- Controlled Environments
- Structural Products
- Profiles & sections
- Door Components

#### Insulation (30%)



- Insulation Boards for Roofs, Walls & Floors
- HVAC, Piping & Ductwork Insulation
- Timber Frame Systems
- TEK Building Systems (SIPs)

#### Access Floors (8%)

- Raised Access Floor Systems
- Underfloor Wire & Cable Management
- Underfloor Air Distribution

#### Environmental (13%)



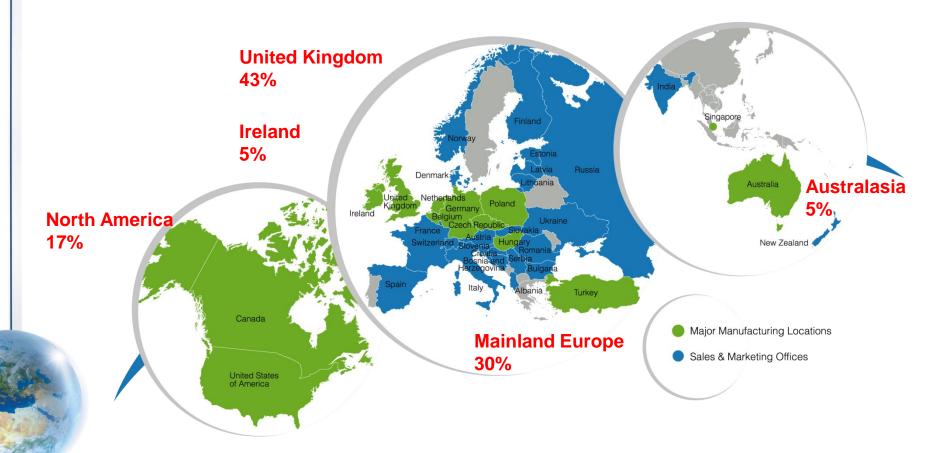
- Solar Thermal Systems
- Solar Cooling & Heating Systems
- Micro wind turbines
- Air Source Heat Pumps
- Hot Water Systems
- Environmental Rainwater Harvesting Systems
- Sustainable Drainage Systems
- Pollution Control Systems
- Fuel storage systems

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## Kingspan Global





- Manufacturing and distribution operations throughout Europe, North America, Australasia
- >70 Locations: 45 Manufacturing

# **Strategic Goals**



#### Lead the field in high performance insulation globally, greater emphasis of proprietary and differentiating technologies.

- Kooltherm<sup>®</sup>
- Next Generation Insulation
- Benchmark Architectural

#### Become the world's leading provider of low energy building solutions.

- The "Insulate & Generate" plus "EnvelopeFirst" concepts
- PowerPanel<sup>®</sup>
- Fabric & Renewables

Achieve greater geographic balance, primarily focusing on North America, Western Europe and appropriate developing markets.

Achieve an average annual return on investment of ca 15%.

# **Key Growth Platforms**

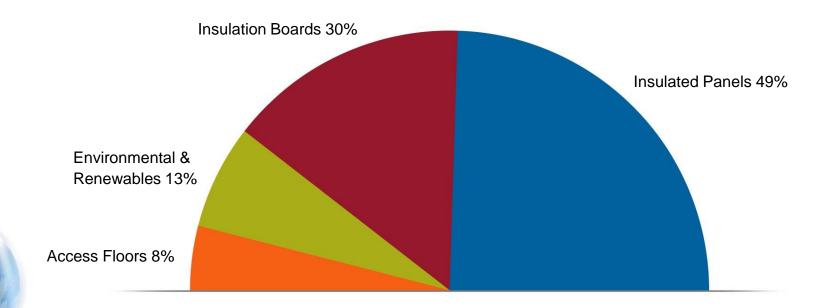


- Penetration
- New Product / R&D
- Refurbishment / RMI
- Wider Geography





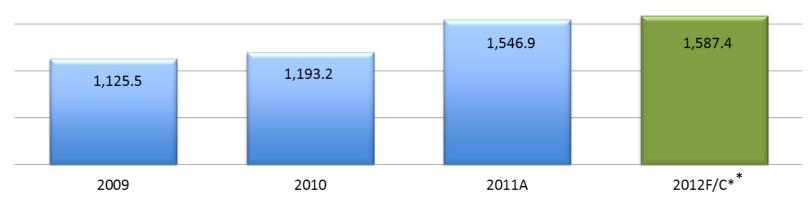




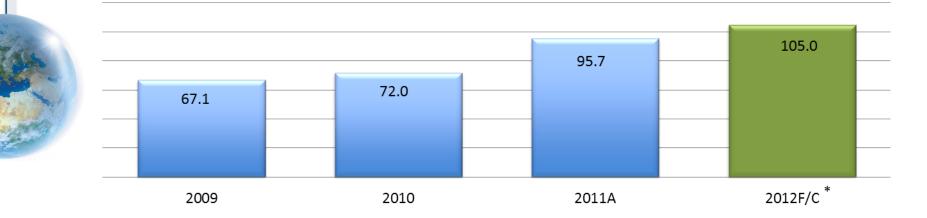
# **Financial Performance Since Trough**



#### Revenue (€'m) (CAGR 12%)



#### **Trading Profit (CAGR 16%)**

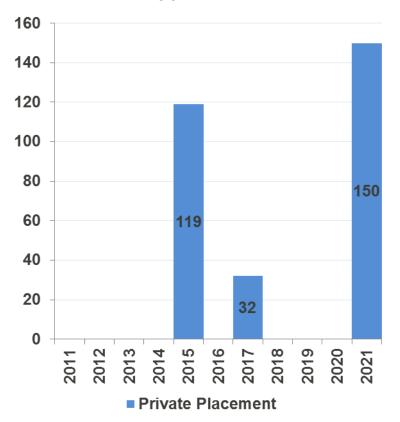


\* Consensus Broker Forecast 2012

# **Strong Balance Sheet**



- Net Debt €170.1m headroom
  c. €460m
- Revolving Credit Facility of €330m
- 2005 Private placement €151mn (USD200m)
- 2011 Private placement €150m (USD200m)
- Significant headroom on covenants
  - Max 3.5x net debt:EBITDA; actual 1.27x
  - Min 4.0x interest cover; actual 10.2x
- Weighted average maturity of debt facilities of 4.0 years post August 2011 Private Placement

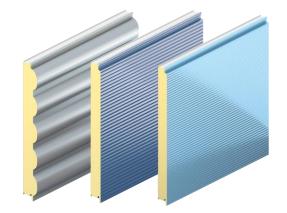


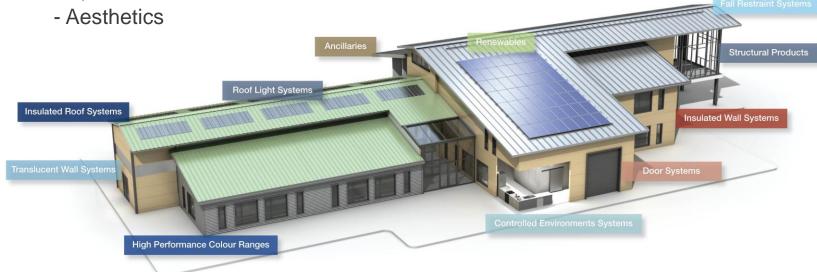
#### Maturity profile of drawn debt €'m

#### **Insulated Panels**



- Insulated Panels 49% of Group Sales in 2011
- Market Sector largely non-residential, Industrial, Commercial, Office, Roof & Wall Panels and Façade Systems
- Global number one
- Advantages of Kingspan Insulated Panels
  - Insulation for life of the building
  - Air tightness
  - Speed of construction

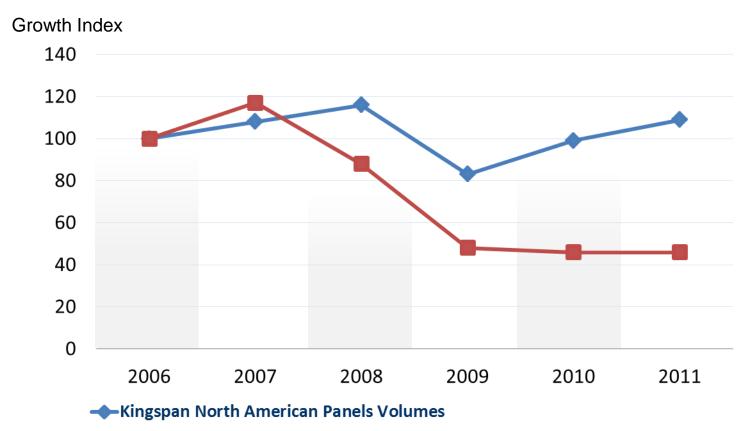




### Performance v. Construction Macros



#### North America - Panels



#### Growth in penetration

\*Source: McGraw Hill Construction

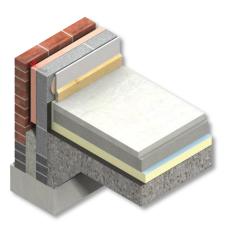
### **Insulation Boards**

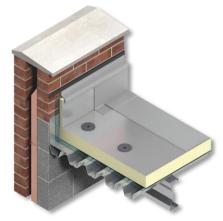


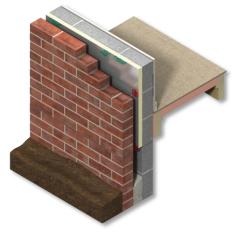
- Insulation Boards 30% of Group Sales in 2011
- Market Sector Residential (60%), Industrial & Commercial (40%), New build & Retrofit
- No. 1 position globally in PIR/Kooltherm<sup>®</sup>
- Geographic Markets: UK, Ireland, Western Europe, CEE, Australia
- Advantages of Kingspan Insulation
  - Depth of Insulation vs. traditional alternatives
  - Over-life performance of the building



Bauhaus Rossetti Place, Manchester, UK



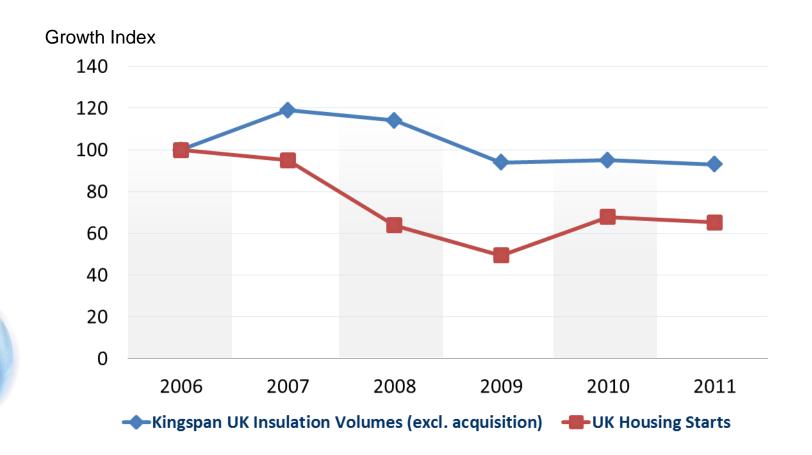




# Performance v. Construction Macros



#### **UK Insulation Volumes**



## Environmental

- Environmental & Renewables 13% of Group Sales in 2011
- Market Sector Residential; Non-residential; New build & existing
- No. 1 in UK/Ireland
- Renewable Energy/Hot Water Systems;
  Fuel storage/Pollution Control;
  Rainwater Harvesting
- Increased focus on renewables
- Entry into Micro Wind



Kingspanwind









#### **Access Floors**

- Access Floors 8% of Group Sales in 2011
- Market Sector 100% Non-residential/ Commercial e.g. Office Blocks, Data Warehousing
- Manufacturing and sales in the UK & US
- Market cyclicality



Plot 3, More London, UK



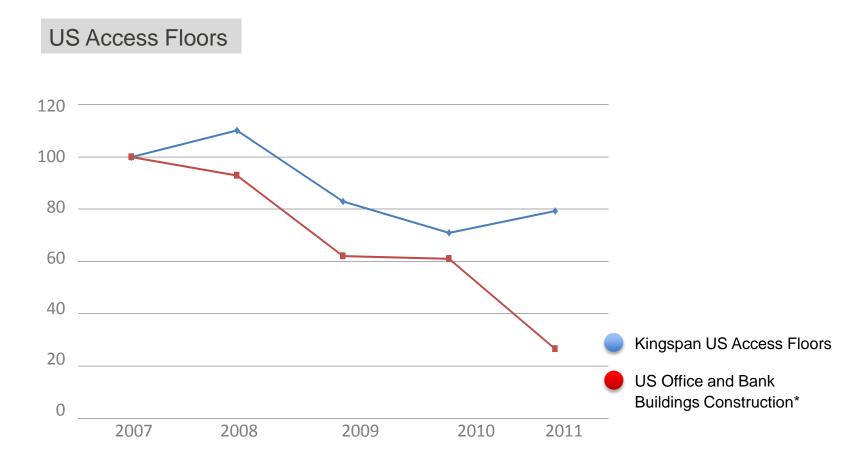






### Performance vs Construction Macro's



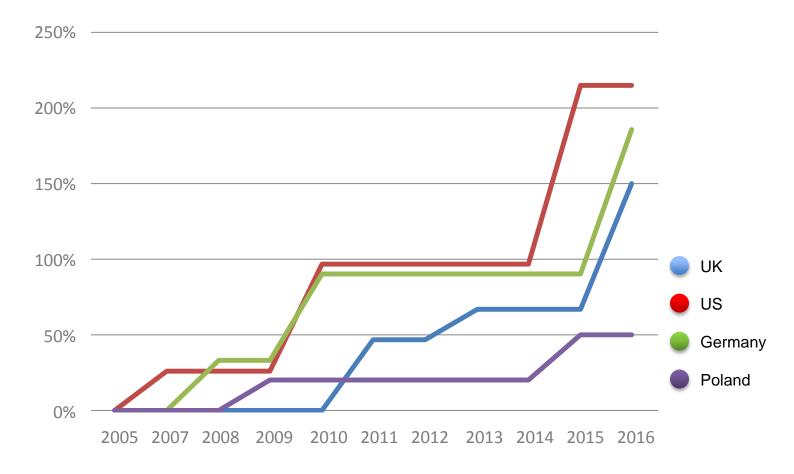


\* Source: McGraw Hill Construction

## **Building Regulations by Region**



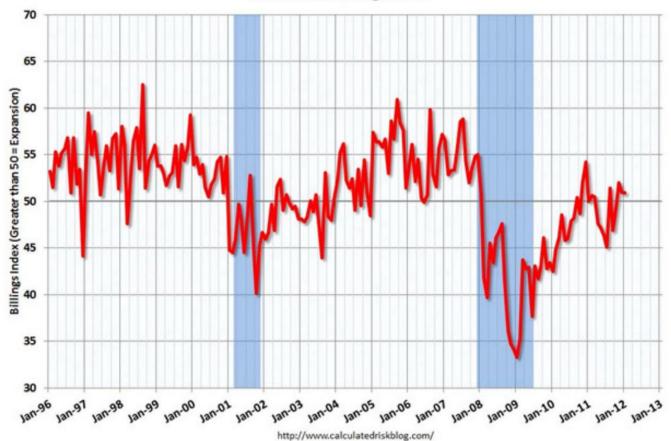
#### Percentage improvement in standards from 2005



<sup>\*</sup>Note: 2011-2016 are estimates in UK & US







Architecture Billings Index

#### **Penetration Potential**



	2005A	2011A	2015F
Insulated Panels UK	55%	64%	75%
Insulated Panels NA	5%	8.5%	11.5%
UK Insulation	30%	35%	40%
Germany External Wall	0%	2.5%	8%
CEE Insulation Board	0%	0.9%	4%
Insulated Panels Australia	6%	8.5%	12%
Insulation Australia	2%	6%	8%

# **R&D** Pipeline



- Primary objective: Growing differentiation and competitive advantage
- >40 active projects, annual spend ca. 1% turnover
- Ranging from continuous evolutionary developments, to fundamental advancements in basic materials
- Key projects:
  - NGI (Next Generation Insulation)
  - Solar Integration (Insulate & Generate)
  - Density Reductions & Thermal Improvements





Glazer Children's Museum, Tampa, Florida, US

## **Solar Integration**



- PowerPanel<sup>®</sup>
- Insulate & Generate
  - Concept provides for structural, insulating of power generating characteristics in a single building element
- Move from current "plant-on", to a vacuum integration process
- Target launch 2013



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