

Material applications per sector – 2050

→ Table 10

Material use 2050	Feedstock type	Demand / feedstock	Share of total demand		Ranking
Construction (timber) Furniture (solid wood)	Timber / logs	354 TWh	24%	24%	
Pulp & paper, particle boards, textiles	Industry wood (excl. forest residues), saw dust, used paper	651 TWh*	44%	48%	
	SRC (fast growing trees, grasses, paludiculture)	61 TWh	4%		
Chemicals	Straw, landscape materials, catch crops	121 TWh	8%	28%	
	Animal fat	7 TWh	<1%		
	SRC (fast growing trees...)	273 TWh	18%		
	Oil crops** (low iLUC)	27 TWh	2%		
Total biomass demand (2,664 TWh)					
Energy		56% Materials			

Favourable → unfavourable

Agora Energiewende (2026): from Ifeu (2026), based on Agora Energiewende (2023) and Agora Agriculture (2024). *Includes 178TWh of used paper. **For specific uses in oleochemistry. Note: SRC stands for short rotation coppices. iLUC stands for induced land use change. Data based on the Agora biomass scenario for energy and materials.