

# Fire retardant products for your security

All certified products at a glance

Wood Coatings  
Passion for wood

AkzoNobel 



# Safety through test standards

In the case of public invitations to tender from property developers and architects, test standards play a very important role as a basis for decision-making. Test standards provide information on the quality and characteristics of the certified products and thus on the safety standards for meeting the corresponding requirements.

## Fire retardant products

In public buildings such as schools, hotels or airport for example, the use of the fire retardant products is essential. However, the demand for fire retardant solutions is also growing in regard to wooden objects in office buildings and private homes. AkzoNobel Wood Coatings, with its wide range of system solutions, meets all demands. Whether for waterborne or solvent-based pigmented top coats or clear top coats. AkzoNobel Wood Coating offers you top quality as a system solution that meets your requirements. This brochure provides an overview of the range of fire retardant products. If you need more information, then please contact your AkzoNobel Wood Coatings Technical Consultant or visit us on the Internet at [www.akzonobel-wood-coatings.com](http://www.akzonobel-wood-coatings.com).



## Interior finishing of buildings



DIN 4102 B1

### DIN 4102 – applicable to Germany Reaction to fire/flame resistance ABP – General appraisal certificate

This standard refers to building materials and components for public and private building purposes (e. g., walls, ceilings, interior equipment, stairs, etc.). Validity: Paints/varnishes having a General Appraisal Certificate, may be used for building materials according to building rules list A, part 2, edition 2006/1, sub-par. 2.10.2. The GAC is the precondition for the application of components in public buildings. These varnishes/paints are subject to third-party monitoring. Hardly inflammable varnishes/paints according to DIN 4102-B1 must be used on wooden particle boards tested (according to DIN 4102-B1), also veneered or MDF boards tested according to DIN 4102-B1, in order to fulfill the testing criteria. On other substrates, only DIN 4102-B2 is considered to be fulfilled. The specified application quantity must be met exactly.



EN 13501-1

### DIN EN 13501-1 – for Europe applicable standard for reaction to fire/flame resistance

Classification of building products and construction techniques for buildings with regard to the reaction to fire (e. g., walls, ceilings, interior equipment, stairs, etc.). Applicable in all European countries. Especially for public buildings, such as airports, etc. In order to fulfill the testing criteria, hardly inflammable varnishes/paints according to DIN EN 13501-1 must be applied on the substrates specified in the test certificate. Other substrates are not permitted. The specified application quantity must be met exactly.

# Certified products according to DIN 4102 B1 & DIN EN 13501-1

Products	 DIN 4102	 DIN EN 13501-1	Function	Properties
Quantum Q-IS160	✓		clear 2K insulating sealer	very good transparency, high filling power, suitable for bleached wood, mixing ratio of 20% will give insulating properties against wood components and will allow using it in wet rooms, closed pores, lightfast
Quantum Q-S170	✓		clear 2K sealer	good transparency, high filling power, suitable for bleached wood, closed pores, easy to sand, lightfast
Speed SP-S191	✓		clear 3K sealer	good transparency, extreme filling power, very high flexibility (up to very thick layers), closed pores, very quick drying, lightfast, patented
Quantum Q-T280-__	✓		clear 2K top coat	high scratch, chemical and heat resistance, sun blocking on light wood, suitable for bleached wood, closed and open pores, lightfast
Quantum Q-T262-05	✓		clear 2K top coat	low wetting, brightening, natural appearance, suitable for bleached wood, open and closed pores, lightfast
Quantum Q-T230-__	✓		clear 2K top coat	good mechanical and chemical resistance, suitable for bleached wood, open and closed pores, lightfast
Quantum Q-T260-__	✓		clear 2K top coat	good mechanical and chemical resistance, suitable for bleached wood, open and closed pores, lightfast
Quantum Q-T261-05	✓		clear 2K top coat	good mechanical and chemical resistance, natural appearance, suitable for bleached wood, open and closed pores, lightfast
Speed SP-T290-90	✓		clear 3K top coat	good transparency, extreme filling power, extreme mechanical and chemical resistance, very high flexibility (up to very thick layers), closed pores, very quick drying, lightfast, patented
Quantum Q-T263-90	✓	✓	clear 2K top coat	high filling power, suitable for bleached wood, closed pores, easy to sand and polish, lightfast
QuantumColor QC-P330		✓*	opaque 2K primer	good filling power, smooth surface, lightfast
QuantumColor QC-T460-__-__-__		✓*	opaque 2K top coat	good mechanical and chemical resistance, good hiding and filling power, lightfast
QuantumColor QC-T470-90-__-__-__		✓*	opaque 2K top coat	good mechanical and chemical resistance, good hiding and filling power, good resistance against metal abrasion, easy to polish, lightfast
Aqualit A-IS180	✓		clear 2K insulating sealer	very good transparency, high filling power, excellent insulating properties against wood components and will allow using it in wet rooms, closed pores, lightfast
Aqualit A-PS130	✓		clear 1K parquet sealer	good transparency, easy to apply and to sand, reduces side-bonding, minimizes the discoloration of wood, lightfast
Aqualit A-T280-90	✓		clear 2K top coat	high filling power, very good mechanical and chemical resistance, easy to sand and polish, closed pores, lightfast
Aqualit A-T280-__	✓		clear 2K top coat	high filling power, very good mechanical and chemical resistance, open and closed pores, lightfast
Aqualit A-T260-__	✓	✓	clear 1K/2K top coat	good filling power, good mechanical and chemical resistance, can be used as a 1 or 2 pack (2 pack will improve performance), open and closed pores, lightfast
Aqualit A-PT260-__	✓		clear 2K parquet top coat	good transparency, extreme abrasion resistant, very good mechanical and chemical resistance, easy to apply and to sand, quick drying, lightfast
Aqualit A-ST260-__	✓*		clear 1K/2K stair top coat	good transparency, good filling power, good mechanical and chemical resistance (especially against cream and grease), can be used as a 1 or 2 pack (2 pack will improve performance), creak free as 1 pack only, easy to sand, lightfast
QuantumColor QC-IP350		✓*	opaque 2K insulating primer	high filling power, very good antisagging properties, excellent insulating properties against wood components and will allow using it in wet rooms, adhesion promoter for many plastics and metals, lightfast
AqualitColor AC-IP360		✓*	opaque 1K/2K primer / insulating primer as 2K	high filling power, can be used as a 1 or 2 pack (2 pack will bring excellent insulating properties against wood components and will allow using it in wet rooms), adhesion promoter for many plastics and metals, lightfast
AqualitColor AC-T450-30-__-__-__		✓*	opaque 1K/2K top coat	good filling and hiding power, good mechanical and chemical resistance, can be used as a 1 or 2 pack (2 pack will improve performance), open and closed pores, lightfast

\* applied for

## Interior finishing of ships



Solas/IMO

### Solas 74/88, Imo Resolution MSC.36(63)-(1994 HSC-Code)7 and USCG approval

This standard refers to the interior finishing of ships. Flame resistance in shipbuilding according to the „International Convention for the Safety of Life at Sea“. With the USCG approval, the „Agreement between the European Community and the United States of America on the mutual recognition of conformity for marine equipment“ is recognized. IMO – International Marine Organisation  
USCG – United States Coast Guard

# Certified products according to Solas 74/88 IMO

Products	 Solas/ IMO	Function	Properties
Speed SP-S191	✓	clear 3K sealer	good transparency, extreme filling power, very high flexibility (up to very thick layers), closed pores, very quick drying, lightfast, patented
Solido S-IS130	✓	clear 2K insulating sealer	good transparency, excellent insulating properties against wood components and will allow using it in wet rooms, moderate Yellowing
Quantum Q-T260-__	✓	clear 2K top coat	good mechanical and chemical resistance, suitable for bleached wood, open and closed pores, lightfast
Quantum Q-T261-05	✓	clear 2K top coat	good mechanical and chemical resistance, natural appearance, suitable for bleached wood, open and closed pores, lightfast
Speed SP-T290-90	✓	clear 3K top coat	good transparency, extreme filling power, extreme mechanical and chemical resistance, very high flexibility (up to very thick layers), closed pores, very quick drying, lightfast, patented
Quantum Q-T263-90	✓	clear 2K top coat	high filling power, suitable for bleached wood, closed pores, easy to sand and polish, lightfast
QuantumColor QC-P330 *	✓	opaque 2K primer	good filling power, smooth surface, lightfast
QuantumColor QC-IP350	✓	opaque 2K insulating primer	high filling power, very good antisagging properties, excellent insulating properties against wood components and will allow using it in wet rooms, adhesion promoter for many plastics and metals, lightfast
QuantumColor QC-T460-__-__	✓*	opaque 2K top coat	good mechanical and chemical resistance, good hiding and filling power, lightfast
Aqualit A-T280-__	✓	clear 2K top coat	high filling power, very good mechanical and chemical resistance, open and closed pores, lightfast
AqualitColor AC-IP360	✓	opaque 1K/2K primer / insulating primer as 2K	high filling power, can be used as a 1 or 2 pack (2 pack will bring excellent insulating properties against wood components and will allow using it in wet rooms), adhesion promoter for many plastics and metals, lightfast
AqualitColor AC-T450-30-__	✓*	opaque 1K/2K top coat	good filling and hiding power, good mechanical and chemical resistance, can be used as a 1 or 2 pack (2 pack will improve performance), open and closed pores, lightfast

\* applied for



[www.akzonobel.com](http://www.akzonobel.com)

AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential color to industries and consumers worldwide. Backed by a pioneering heritage, our innovative products and sustainable technologies are designed to meet the growing demands of our fast-changing planet, while making life easier. Headquartered in Amsterdam, the Netherlands, we have approximately 45,000 people in around 80 countries, while our portfolio includes well-known brands such as Dulux, Sikkens, International, Interpon and Eka. Consistently ranked as a leader in sustainability, we are dedicated to energizing cities and communities while creating a protected, colorful world where life is improved by what we do.

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