

HYG Heat Resisting Rock Wool Products

1. Product Introduction



Blocks

HYG Heat Resisting Rock Wool product is made from high quality basalts by melting, spinning into fibers and thermal curing processes. The main Ingredients are Al_2O_3 , SiO_2 , Fe_2O_3 , CaO , MgO etc. It can be coated with glass cloth or aluminum foil fiber cloth according to the requests of clients. It's mainly used as the insulating and fireproof materials at cabin inner surfaces, stiffeners (T steels and ball steels) etc.

HYG type Heat Resisting Rock Wool products have got the certifications of CCS, ABS and EC.



CCS



ABS



EC

2. Technical Specifications

Table 1 Technical Parameters

Items	Technical Requirements
Incombustibility	Accord with IMO.2010FTPC Part1 requirement
Asbestos test	Accord with <i>Hong Kong International Covention for the Safe and Environmentally Sound Recycling of Ships 2009.</i>
Apparent Density / kg/m ³	120
Moisture Absorption Rate / %	≤ 5
Fiber Diameter / um	≤ 7
Residue Content / % (Φ ≥ 0.25 mm)	≤ 12
Thermal Conductivity / W/m·K	25 °C, 0.037~0.040
Organic Compound Content / %	≤ 3
Fire Separation Class	A60 class, accord with the requirements of IMO.2010FTPC Part3. Bulkhead: (40+40) mm, two-layer; 120 kg/m ³ ; Deck: 50 mm, one-layer; 120 kg/m ³

3. Product Specifications

Table 2 HYG Rock Wool Product Specifications

Scope	Fire separation class	Class	Density/ kg/m ³	Dimension / mm			Coatings	Fixation	Areal Density/ kg/m ²
				T	W	T			
Steel Bulk head	A60	DQ-HYG/B-VII	120	600~1000	800	40+40 two-layer; 40 mm, one layer on stiffener;	Glass cloth or Aluminum foil glass cloth	Stud pins	9.6
					700				
					600				
					500				
					According to stiffener				

