



Seafish Construction Standards: GRP construction - Main decks of sandwich construction with non-structural core material.

This notice should be read in conjunction with the Seafish Construction Standards (Release 2, April 2006). Where information in this notice contradicts the Standards, this notice is to take priority.

Date of effect: 1st July 2009

Summary

This Seafish Information Note provides acceptable scantlings for an alternative method of deck construction for new fishing vessels of GRP construction.

GRP Construction - Main decks (sandwich construction with non-structural core material).

The table on the following page provides scantlings for sandwich deck construction using any non-structural core material with adequate shear properties such as foam or honeycomb panels. This method of deck construction may be used as an alternative to other methods stated in the Seafish Construction Standards for GRP vessels.

Table: Main decks (sandwich construction with non-structural core material)

Scantling numeral	Sandwich		
	Inner laminate weight g/m ²	Outer laminate weight g/m ²	Minimum core thickness mm
10	600	900	11.7
15	600	900	12.5
20	600	900	13.1
25	900	1200	8.5
30	900	1200	8.8
45	900	1200	10.3
60	1200	1500	7.9
80	1200	1500	9
100	1200	1500	10
150	1200	1800	12.4
200	1200	1800	14.7
250	1200	1800	17
300	1500	2100	15
350	1500	2100	15.9
400	1500	2100	17.1
450	1500	2400	18.7

Notes:-

1. The core may be any non-structural core material with adequate sheer properties such as foam or honeycomb panels. The core fitted should always be at least as thick as the minimum core thickness stated in the table.
2. Laminate weights are based on CSM.
3. Beams and beam shelves should be as specified in Table 6.11.8 for sheathed plywood construction, in the Seafish Construction Standards for New Fishing Vessels Less Than 15m Length overall.
4. Additional over-bonding may be necessary to achieve suitable impact resistance depending on the operation of the boat. Details should be submitted for approval prior to construction.

Seafish Marine Services
Humber Seafood Institute
Origin Way
Europarc
Grimsby
N E Lincs
DN37 9TZ

Tel: 01472 252300
Fax: 01472 268792
E-mail: information@seafishmarineservices.com

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