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MIL-PRF-3135G
AMENDMENT 4
14 November 1986
SUPERSEDING
AMENDMENT 3
8 April 1985

PERFORMANCE SPECIFICATION

DECK COVERING UNDERLAY MATERIALS

This amendment forms a part of MIL-D-3135G, dated 21 March 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

* 1.2, under "Type II": Delete "Latex base underlay" and capitalize "For".
Add under Type II:

"Class 1 - Latex base underlay materials for use under linoleum and plastic tile, deck tile, and other similar preformed deck covering materials.

"Class 2 - Resin based underlay materials for use under linoleum and plastic tiles, deck tile, and other similar preformed deck covering materials."

"Beneficial comments" at bottom of page: Delete and substitute:

" Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, SEA 5523, Department of the Navy, Washington, DC 20362-5101 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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* 3.2.3: After "Type II", add "class 1."

* Add new paragraph 3.2.4:

"3.2.4 Type II, class 2. The deck covering underlay shall be compounded from a liquid synthetic resin based material, accelerator or curing agent, and aggregate. When provided as a complete system, the system shall also include the necessary primers. Formulations shall conform to the requirements of rule 102 of the South Coast Air Quality Management District (see 6.2.1)."

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- * 3.3, lines 6 and 7: Delete "Type II underlay material, in particular, shall be trowelled to a smooth feathered finish." and substitute "Type II underlay materials shall be trowelled to a smooth feathered edge finish."

3.5: Delete and substitute:

"3.5 Weight. The deck covering underlay material after drying shall be of minimum practical weight, but shall not exceed the following (see 4.6.2):

Type I:

Class 1 - 1-3/4 pounds per square foot (lb/ft²) in a thickness of 1/4-inch.

Class 2 - 2-1/2 lb/ft² in a thickness of 1/4-inch.

Type II - 2-1/2 lb/ft² in a thickness of 1/4-inch."

- * 3.7.1: Delete and substitute:

"3.7.1 Initial indentation. The percent initial indentation of the deck covering underlay material shall be as follows, when tested as specified in 4.6.4:

| | <u>Type I</u> | | | | <u>Type II</u> | | | |
|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Class 1 | | Class 2 | | Class 1 | | Class 2 | |
| | Min (Per- cent) | Max (Per- cent) | Min (Per- cent) | Max (Per- cent) | Min (Per- cent) | Max (per- cent) | Min (per- cent) | Max (per- cent) |
| Material cured 48 hours | --- | 40 | --- | 10 | --- | 40 | --- | 10 |
| Material cured 96 hours | 1 | 40 | --- | 10 | 1 | 5 | --- | 5 |

- * 3.7.2: Delete in its entirety.

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- * 4.4.1, line 1 and 2: Delete "5,000 pounds" and substitute "a daily production run."

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4.6.1: Delete and substitute:

"4.6.1 Preparation of specimens. Specimens of the sizes as specified in the following tests shall be made by mixing the deck covering underlay material in accordance with the manufacturer's instructions (see 3.2). The deck covering underlay material shall be trowelled on 1/8-inch-thick clean steel plates which have been primed with Formula 150 in accordance with MIL-P-24441 and MIL-P-24441/1 or other primer provided as part of the underlay system to a thickness of approximately 1/4-inch in one coat by means of wooden templates. The specimens shall be prepared at, be allowed to cure for 96 hours, and be tested at room temperature except those specimens required for the indentation tests specified in 4.6.4. For specimens intended for immersion tests where corrosion of the steel may occur, areas not covered by the deck covering underlay material may be protected by a suitable anti-corrosion coating."

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Add as new paragraph 5.1.3:

"5.1.3 Level C. Latex shall be furnished in 1-gallon or 5-gallon containers as specified (see 6.2), which will afford protection against deterioration and loss of contents or physical damage during shipment from the supply source to the first receiving activity for immediate use. The suppliers normal retail or wholesale packaging methods may be utilized when such meet the requirements of this level."

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* 6.2.1, item (c), line 3: After "3.2.2" add "and 3.2.4)."

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