



WYŻSZA SZKOŁA MORSKA
WYDZIAŁ NAWIGACYJNY
KATEDRA EKSPLOATACJI STATKU



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Gdynia, 09 December, 1999

APPRAISAL

Re: Bates Korsnäs Dunnage Airbags

The Chair of Ship's Operation of the Navigation Faculty at the Gdynia Maritime Academy has pleasure in confirming high practicability and feasibility of paper airbags for carriage of cargo by sea manufactured and offered by the Danish Company Bates Korsnäs A/S under the trade mark of Bates Cargo-Pak.

Dunnage airbags placed in the voids found between cargo units in containers and/or traditional general cargo in holds of the vessels tightly and finally secure the goods preventing their possible shifts which is a fundamental condition for the safety of the sea transport.

The airbags may effectively replace and even eliminate expensive dunnage materials such as timber, etc. The advantages confirming the arguments for the application of the airbags may be the following:

- Time and cost reduction in stowage operations;
- Untroubled application and removal during the cargo works.

The opinions of the seagoing mariners and persons responsible for ensuring safe sea carriage of goods the airbags represent modern and on-going solutions in the domain of the dunnage materials.

For and on behalf of
Chair of Ship's Operation,
Gdynia Maritime Academy

Prof. Bogumił Łączyński, D.Sc. (eng.) Master Mariner

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