

micro tech

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RE: RESISTANCE TO FUNGAL ATTACK - SPRAY-ON CELLULOSE

A sample of Spray-On Cellulose was evaluated for its resistance to surface fungal growth in accordance with the methods described in AS 1157. The method was modified to include a wider variety of fungi (Appendix 1) and the sample was not subjected to a heat pretreatment prior to testing.

The following results were obtained:

Sample	Fungal Growth#
Spray-On Cellulose	1, 2, 2

Note: #Fungal growth on each of three specimens is scored on a scale of 0 to 5 as per AS 1157 Part 1.

COMMENTS:

The level of fungal growth apparent after the test period is indicative of a product which has some inherent antifungal properties. The Australian Standard test applied here exposes the product to constant high humidity conditions in excess of 90% RH. This provides the maximum opportunity for fungal growth to occur. Scores of 4 or 5 are indicative of products readily attacked by fungi. In any event it is important to understand that water is required for biological activity. If the product tested remains dry there is no possibility of fungal growth occurring.

Yours faithfully,

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DIRECTOR

APPENDIX 1
MIXED FUNGAL SPORE SUSPENSION
CULTURE

Chaetomium globosum MRL 74
Aspergillus niger MRL 72
Aspergillus flavus MRL 5
Alternaria radicina MRL 523
Paecilomyces varioti MRL 496

Aspergillus awamori MRL 519
Penicillium corylophilum MRL 1059
Aureobasidium pullulans FRR 3018
Cladosporium resinae FRR 2402
Syncephalastrum racemosum MRL 427