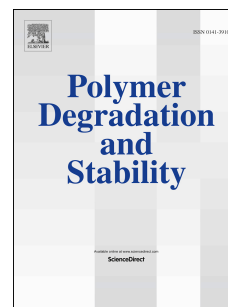


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Discoloration of poly(vinyl acetate) (PVAc) gluelines in wood assemblies

Fabio Chiozza, Ilaria Santoni, Benedetto Pizzo



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1 **Discoloration of poly(vinyl acetate) (PVAc) gluelines in wood assemblies**

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3 Fabio Chiozza ¹, Ilaria Santoni ^{2,3}, Benedetto Pizzo ^{2, *}

4
5 1) R&D Department

6 Vinavil S.p.A.

7 via Toce, 7. Villadossola (VB), Italy

8
9 2) CNR-IVALSA

10 Istituto per la Valorizzazione del Legno e delle Specie Arboree (Trees and Timber Institute)

11 National Research Council of Italy

12 via Madonna del Piano, 10. I-50019, Sesto Fiorentino (FI), Italy

13
14 3) CNR-ICCOM

15 Istituto di Chimica dei Composti Organometallici

16 National Research Council of Italy

17 via Madonna del Piano, 10. I-50019, Sesto Fiorentino (FI), Italy

18
19 *) Corresponding author: pizzo@ivalsa.cnr.it

22 **Abstract**

23 The bondline chromatic alteration of poly(vinyl acetate) (PVAc) in wood assemblies has an
24 appreciable impact on the aesthetic characteristic of these products (mostly important for
25 panels used in furniture). While the origin of this phenomenon has been explained for the cases
26 of pure polymers and wood substrates alone, present work investigates about the origin of
27 discoloration for the case of bondlines prepared with selected wood species (cherry and maple)
28 and two commercial PVAc dispersions, one containing and one not containing aluminum ions.

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