

Title (en)  
DUAL-CURING COATING COMPOSITIONS

Title (de)  
BESCHICHTUNGSZUSAMMENSETZUNGEN MIT DUALER HÄRTUNG

Title (fr)  
COMPOSITIONS DE REVÊTEMENT À DOUBLE DURCISSEMENT

Publication  
**EP 3538586 A1 20190918 (DE)**

Application  
**EP 17801429 A 20171114**

Priority  
• EP 16198688 A 20161114  
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Abstract (en)  
[origin: US2018133953A1] A process for producing an object from a precursor comprises the steps of: depositing a free-radically crosslinked resin atop a carrier to obtain a ply of a construction material joined to the carrier which corresponds to a first selected cross section of the precursor; depositing a free-radically crosslinked resin atop a previously applied ply of the construction material to obtain a further ply of the construction material which corresponds to a further selected cross section of the precursor and which is joined to the previously applied ply; repeating step II) until the precursor is formed; wherein the depositing of a free-radically crosslinked resin at least in step II) is effected by exposure and/or irradiation of a selected region of a free-radically crosslinkable resin corresponding to the respectively selected cross section of the object and wherein the free-radically crosslinkable resin has a viscosity (23 ° C., DIN EN ISO 2884-1) of  $\geq 5$  mPas to  $\leq 100000$  mPas. In the process the free-radically crosslinkable resin comprises a curable component in which NCO groups and olefinic C=C double bonds are present, wherein in the curable component the molar ratio of NCO groups to olefinic C=C double bonds is in a range from  $\geq 1:5$  to  $\leq 5:1$ .

IPC 8 full level  
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