

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
10 November 2022 (10.11.2022)



(10) International Publication Number
WO 2022/235712 A1

(51) International Patent Classification:

C08G 65/336 (2006.01) C09D 171/02 (2006.01)
C08L 71/02 (2006.01) C09J 171/02 (2006.01)
C08L 101/10 (2006.01)

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(21) International Application Number:

PCT/US2022/027529

(22) International Filing Date:

03 May 2022 (03.05.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/183,695 04 May 2021 (04.05.2021) US

(71) Applicant: GCP APPLIED TECHNOLOGIES INC.

[US/US]; 2325 Lakeview Parkway, Suite 450, Alpharetta,
GA 30009 (US).

(72) Inventors: KEMPENAERS, Peter; De Kluis 5, 3221

Nieuwrode (BE). PODGORSKA, Malgorzata; Hulshoutveld 55, 2235 Hulshout (BE). GEUDENS, Pascal; Waterstraat 44, 2250 Olen (BE). WITCZAK, Pawel; Kleine Steenweg 154, 2221 Booischot (BE). MAZZONE, Jennifer; 104 Pine St., Manchester, MA 01944 (US).

(74) Agent: ROSSI, Joseph, D.; Stradley Ronon Stevens &

Young, LLP, 30 Valley Stream Parkway, Malvern, PA 19355-1481 (US).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,

(54) Title: SINGLE COMPONENT WATERPROOFING COMPOSITION AND USE THEREOF

(57) Abstract: A paste composition, method of use, and building product containing such composition. The composition comprises at least one (preferably two) silyl-terminated polymer resin and a plurality of adhesion promoters. In preferred embodiments, the composition has a paste consistency. In preferred embodiments the paste has a slump between 0 and 20 mm, more preferably a slump between 0 and 10 mm, and most preferably a slump between 0 and 5 mm, and a low water absorption after water immersion. In further exemplary embodiments, the composition further has good bond to dry/damp concrete and other substrates, with and without water immersion.

WO 2022/235712 A1