

Approvals for alternative pretreatment products

| | A - N° | Country | Producer | System | Approved since |
|------|--------|---------|---|--|----------------|
| (1) | A - 1 | DE | Chemetall GmbH (Surface Treatment), Frankfurt a/M | GARDOBOND X 4723 | 1996-12-16 |
| | A - 2 | DE | Henkel KGaA, Düsseldorf | ALODINE 4830 / 4831 | 1996-12-16 |
| (2) | A - 3 | DE | Henkel KGaA, Düsseldorf | ALODINE 400 | 1996-12-16 |
| | A - 4 | ES | ProCoat Tecnologías S.L., Castellgalí | BRUGAL 9TP-AS | 1996-12-16 |
| (3) | A - 10 | ES | Estudios del Aluminio y Superficies SL, Lleida | BULCOAT 33 | 1998-12-14 |
| (4) | A - 12 | DE | Henkel KGaA, Düsseldorf | ALODINE 4852 | 2003-01-09 |
| (5) | A - 13 | ES | Alvarez - Schaer, S.A. (ALSAN), Paterna (Valencia) | EcoAl - 20 | 2003-01-09 |
| | A - 15 | DE | Alufinish GmbH & Co. KG, Andernach | ENVIROX S (Alfipas 745 / Alfipas 746) | 2003-01-09 |
| | A - 17 | DE | Haug Chemie GmbH, Sinsheim | ESKAPHOR H 4070/4071 | 2003-02-24 |
| | A - 18 | DE | Alufinish GmbH & Co. KG, Andernach | ALFICOAT 770/771 | 2003-02-24 |
| (8) | A - 19 | DE | Alufinish GmbH & Co. KG, Andernach | ENVIROX NR (Alficoat 748 / Alficoat 748/3) | 2003-02-24 |
| (12) | A - 20 | DE | NABU-Oberflächentechnik GmbH | NABUTAN STU/310 / BULK ECLPS® 2100 | 2003-05-15 |
| | A - 21 | NL | AD Chemicals, Heijningen | PRECOAT | 2003-05-23 |
| (11) | A - 24 | DE | Chemetall GmbH (Surface Treatment), Frankfurt a/M | Gardobond X 4707 No rinse / CHEMAL Non-Chrome B.K.-3990 No rinse | 2003-09-08 |
| (9) | A - 26 | ES | SIDASA, Barcelona | NAIFIX AL SC INCOLOR | 2004-03-15 |
| (9) | A - 29 | ES | SIDASA, Barcelona | NAIFIX AL SC AMARILLO | 2004-06-11 |
| | A - 31 | IT | Mac Dermid - S. Martino di Trecate (NO) | IRIDITE NR2-I | 2004-08-27 |
| | A - 32 | ES | Estudios del Aluminio y Superficies SL, Lleida | BULCOAT 2000 | 2005-04-04 |
| | A - 33 | ES | Estudios del Aluminio y Superficies SL, Lleida | STARCOAT | 2005-04-04 |
| | A - 34 | ES | Proquimia, S.A., VIC (Barcelona) | CONVERCOAT ZR 70 | 2005-04-05 |
| | A - 35 | NL | Kluthe Benelux BV, Alphen a/d Rijn | DECORRDAL AL 240 A (no rinse) | 2005-05-10 |
| | A - 36 | NL | Kluthe Benelux BV, Alphen a/d Rijn | DECORRDAL AL 230 + AL 270 OR | 2005-05-10 |
| | A - 38 | IT | Italteco, Modena (MO) | ALUGOLD | 2005-05-31 |
| | A - 39 | SA | German Metal Surface Treatment Chemicals Co. (SUGEST) | DURAPASS 714 A/B | 2005-07-25 |
| | A - 40 | DE | SurTec Deutschland GmbH | SurTec 650 chromitAL TCP | 2005-11-03 |
| | A - 41 | DE | Henkel KGaA, Düsseldorf | Alodine 4880-81 | 2005-11-03 |
| | A - 42 | DE | SurTec Deutschland GmbH | SurTec 651 chromitAL | 2005-11-03 |
| (6) | A - 43 | ES | Alvarez - Schaer, S.A. (ALSAN), Paterna (Valencia) | EcoAl - Golden | 2005-11-24 |
| (7) | A - 45 | IT | Mac Dermid - S. Martino di Trecate (NO) | IRIDITE EXD | 2006-06-06 |
| (11) | A - 46 | DE | Chemetall GmbH (Surface Treatment), Frankfurt a/M | Gardobond X 4747 / CHEMAL Non-Chrome B.K.-3995 | 2006-09-05 |
| | A - 47 | DE | BASF Aktiengesellschaft, Ludwigshafen | Lugalvan* FDC | 2006-12-28 |
| | A - 48 | DE | DOK-Chemie GmbH, Kierspe | Eupass 9602002 | 2007-09-12 |
| | A - 49 | DE | Henkel KGaA, Düsseldorf | Alodine 5200 | 2007-12-18 |
| (10) | A - 50 | UAE | SurTec Middle East LLC., Sharjah - United Arab Emirates | BULCOAT 33 | 2008-03-10 |
| | A - 52 | ES | Alvarez - Schaer, S.A. (ALSAN), Paterna (Valencia) | Eco Tri - 07 | 2008-03-10 |
| | A - 53 | DE | Henkel KGaA, Düsseldorf | ALODINE 5992 | 2008-10-07 |
| | A - 54 | IT | Aluservice S.r.l., Lainate (MI) | ALS-75 | 2008-12-31 |
| | A - 55 | IT | Aluservice S.r.l., Lainate (MI) | ALS-75 NC | 2008-12-31 |
| | A - 56 | IT | Aluservice S.r.l., Lainate (MI) | ALS-78 | 2008-12-31 |
| | A - 57 | DE | SurTec International GmbH | SurTec 641 | 2009-01-23 |
| | A - 58 | DE | Mac Dermid GmbH, Forst | Iridite CF | 2009-02-17 |
| | A - 59 | DE | Chemetall GmbH (Surface Treatment), Frankfurt a/M | GARDOBOND X 4670 | 2009-02-17 |
| | A - 60 | ES | ProCoat Tecnologías S.L., Castellgalí | BRUGAL 700 AL | 2009-03-27 |
| | A - 61 | UK | Almetron, Wrexham | Almetron CF 310 | 2009-06-29 |
| | A - 62 | DE | Chemetall GmbH (Surface Treatment), Frankfurt a/M | Gardobond X 4707 Rinse / CHEMAL Non-Chrome B.K.-3990 Rinse | 2009-06-29 |
| | A - 63 | IT | Dollmar & C. S.p.A., Caleppio di Settala (MI) | DOLLCOAT SA 121 | 2009-07-09 |
| | A - 65 | DE | Atotech Deutschland GmbH | Interlox 5705 | 2009-08-27 |
| | A - 66 | DE | Atotech Deutschland GmbH | Interlox 338 | 2009-08-27 |
| | A - 67 | UAE | SurTec Middle East LLC., Sharjah - United Arab Emirates | ECLPS 2130 R | 2009-11-05 |
| | A - 68 | DE | Chemetall GmbH (Surface Treatment), Frankfurt a/M | Oxsilan® AL 0510 | 2010-07-29 |

(1) previous trade name : PYRENE 7-77 (Brent Europe Ltd.)

(2) previous trade name : NOVACOAT 400 (Novamax Technologies)

(3) previously produced by Quimicoat Internacional, S.L., Alcoletge (Lleida)

(4) previous trade name : ALODINE 4850

(5) previous trade name : ALUDIP-20

(6) previous trade name : ALUDIP GOLDEN

(7) previous trade name : IRIDITE NCP

(8) previous trade name : ENVIROX NR (Alficoat 748)

(9) previously produced by Naisurfas Ibérica S.A.

(10) previously produced by LC Systeme M.E LLC

(11) extended trade name since October 2008

(12) extended trade name since June 2009