

SUMMARY OF MSE TIPWALLS – Reinforced Earth® SYSTEMS ONLY
Updated July 2012

| Date | Name | Location | Description | Max Height (m) | Type of cladding | Client |
|------|------------------|-----------------|--------------------|----------------|------------------|------------------|
| 1976 | CDM - 50G | Namibia | Tip wall | 20 | Concrete | De Beers |
| 1976 | Grootegeluk | Ellisras NP | Wingwalls | 20 | Concrete | Iscor |
| 1976 | CDM No 3 | Namibia | Tip wall | 13 | Concrete | De Beers |
| 1976 | Silicon Smelters | Pietersburg NP | 2 Tier Tip wall | 16,5 | Concrete | Silicon Smelters |
| 1977 | Beestekraal I | NW Province | Tip wall | 8,3 | Concrete | PPC |
| 1977 | Koingnaas | NW Cape | 8 Tiered Wingwalls | | Concrete | De Beers |
| 1978 | Kimberley I | Kimberley NW | Wingwalls | 6 | Steel | De Beers |
| 1978 | Jwaneng I | Botswana | Tip wall | 6,7 | Steel | De Beers |
| 1979 | Tweepad | NW Cape | Wingwalls | 2Tier 41 | Concrete | De Beers |
| 1979 | Machadadorp | E Transvaal | Tip wall | 6 | Concrete | S A R |
| 1979 | Beestekraal II | BeestekraalMine | Raise Tip wall | 3 | Concrete | PPC |
| 1979 | Jwaneng II | Botswana | Tip wall | 8 | Steel | De Beers |
| 1979 | Kimberley II | NW Cape | Tip wall | 7 | Steel | De Beers |
| 1979 | Marquard | Free State | Tip wall | 6 | Steel | RG Nuttall |
| 1980 | Aggenuys | NW Cape | Tip wall | 13 | Concrete | Goldfields |
| 1982 | Rooikraal | Gauteng | Tip wall | 13 | Steel | D& H |
| 1982 | Silicon Smelt II | N Province | Tip wall | 6 | Concrete | Silicon Smelters |
| 1983 | Fairview | Mpumalanga | Tip wall | 6 | Concrete | Gencor |
| 1985 | NCD | Kwa-Zulu Natal | Wingwall | 6 | Steel | N C D |
| 1986 | Wastetech | Gauteng | 2 Tier Tip wall | 8 | Steel | Wastetech |
| 1986 | Tweepad II | NW Cape | Wingwalls | 2 Tier 41 | Concrete | De Beers |
| 1987 | Wolwekrans | Mpumalanga | Tip wall | 7,5 | Concrete | Rand Mines |
| 1987 | Koffiefontein | NW Cape | Tip wall | 7 | Steel | De Beers |
| 1987 | Grootegeluk II | N Province | Wingwalls | 2 Tier 25 | Concrete | Iscor |
| 1989 | Auchas | Namibia | Tip wall | 6 | Concrete | De Beers |
| 1989 | Samadi Mine | NW Province | Tip wall | 13,5 | Concrete | Samadi Mine |
| 1989 | Premier Mine | Gauteng | Tip wall | 12 | Concrete | De Beers |
| 1990 | SavmoreColliery | Kwa-Zulu Natal | Tip wall | 8,3 | Concrete | Genmin |
| 1990 | Weltevreden | NW Province | Tip wall | 10,5 | Concrete | Genmin |
| 1991 | Dull Coal | N Province | Wingwalls | 24 | Concrete | Iscor |
| 1991 | Lone Rock | Mpumalanga | Tip wall | 6 | Weldmesh | Lone Rock |
| 1991 | Auchas II | Namibia | Tip wall | 14 | Concrete | De Beers |
| 1991 | Sasol 1 Tip | Free State | Tip wall | 5 | Concrete | Sasol |
| 1991 | Kromdraai | Mpumalanga | Wingwalls | 15 of 25 | Concrete | AAC |
| 1992 | Luzamba | Angola | Tip wall | 11,4 | Weldmesh | Endiama |
| 1993 | Sigma | Free State | Tip wall | 6,8 | Concrete | Sasol |
| 1994 | Duvha | Mpumalanga | Wingwalls | 13 | Concrete | Eskom |
| 1995 | Sadiola Mine | Mali | Wingwalls | 16 | Weldmesh | AAC |
| 1996 | Catoca | Angola | Tip wall | 10,5 | Concrete | Endiama |
| 1997 | Siguiiri Mine I | Guinea | Tip wall | 13 | Concrete | Ashanti |
| 1998 | Orapa | Botswana | Wingwalls | 16; 10 Sur | Concrete | De Beers |
| 1998 | Namakwa Sands | SW Cape | Tip wall | 10 | Concrete | Namakwa Sands |
| 1998 | Lethlekhane | Botswana | Wingwalls | 2 Tier 20 | Concrete | De Beers |
| 1998 | Congo | DR Congo | Tip wall | 12 | Steel | Miba Mine |
| 1998 | Siguiiri Mine II | Guinea | Tip wall | 14 | Concrete | Ashanti |
| 1998 | Kroondal | NW Province | Tip wall | 13,5 | Concrete | Kroondal |
| 1998 | Bulyanhulu | Tanzania | Tip wall | 11,7 | Weldmesh | Placer Dome |
| 1998 | Samancor | Gauteng | Tip wall | 9 | Concrete | Samancor |
| | | | | | | |

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| 1999 | Cru-Klipfontein | Mpumalanga | Wingwalls | 30 | TerraTrel / TerraClass | Ingwe Coal SA |
| | Time Mining | Northern Cape | Tip Wall | 6 | TerraTrel | Kalahari Goldridge |
| | Namakwa Sands 2 | Northern Cape | Tip wall | | TerraClass | Anglo American |
| | Baken Mine | Northern Cape | Tip Wall | 8 | TerraMet | Transhex Operations (Pty)Ltd |
| | Yatela Gold | Mali | Tip Wall | 13 | TerraClass | Anglo Gold Ashanti |
| | Miba 2 | D R C | Tip Wall | 8 | TerraMet | Societe Miniere de Bakwanga, Miba |
| 2000 | Ridgeview Quarry | KwaZulu Natal | Tip Wall | 6,5 | TerraClass | Lafarge Mining SA |
| | Tweepad Repair | Northern Cape | Tiered walls | | TerraClass | De Beers |
| | Greenside Colliery | Mpumalanga | Tip Wall | 6 | TerraMet | Amcoal |
| | Douglas Colliery | Mpumalanga | Wingwalls | 24 | TerraTrel | Ingwe Coal |
| | Tati | Botswana | Tip Wall | 13 | TerraMet | Tati Nickel Mining Company |
| | Oryx 1 | D R C | Tip Wall | 12 | TerraMet | Oryx Natural Resour. |
| | Oryx 2 | D R C | Tip Wall | | TerraMet | Oryx Natural Resources |
| | Jwaneng | Botswana | Wingwalls | 16 | TerraClass | Debswana Mining |
| | BK 9 | Botswana | Tip Wall | 13.1 | TerraClass | Debswana Mining |
| | Tubatse Ferrochrome | Mpumalanga | 4 Walls | 4.3 | TerraClass | Samancor Chrome |
| 2002 | Escom Mining | Angola | Tip Wall | 11 | TerraMet | Escom Mining |
| | Samancor 2 | Gauteng | Tip Wall | 9,5 | TerraClass | Samancor |
| | Namakwa Sands 3 | Northern Cape | Tip Wall | 18 | TerraClass | Anglo American |
| | Optimum Colliery | Mpumalanga | Tip Wall | 19 | TerraClass | BHP Billiton |
| | Karee | N West Province | Tip Wall | 6 | TerraClass | Lonmin Platinum |
| | Oxus Mine | Uzbekistan | Tip Wall | 7,7 | TerraMet | Maed Ltd UK |
| | Koidu Diamond Works | Sierra Leone | Tip Wall | 9,8 | TerraMet | Steinmetz Group |
| | Jwaneng Crusher 2 | Botswana | Tip Wall | 12,7 | TerraClass | Debswana |
| 2003 | Optimum Colliery Wall 1 Extension | Mpumalanga | Tip wall ext | | TerraClass | BHP Billiton |
| | Freeport Repair | Indonesia | Buttress Walls | | TerraMet | Freeport McMoRan |
| | Elizabeth Bay | Namibia | Tipwalls | 14 | Freyssisol strip | Namdeb Diamond Corp |
| | MIBA NL 2 | D R C | Tip Wall | | TerraMet | Societe Miniere de Bakwanga, Miba |
| | Oryx 3 | D R C | Tip wall | | TerraMet | Oryx Natural Resources |
| 2004 | Kroondal 2 | NW Province | Tip wall | 8,9 | TerraClass | Aquarius |
| | Vaalkrantz | | Tip Wall | 6 | TerraMet | Leeuw Mining |
| | Venetia Mine Crusher | Limpopo Province | Wingwall | 15 | TerraTrel | De Beers Consolidated |
| | Kanshansi Copper | Zambia | Wingwall | 17,5 | TerraMet | First Quantum Minerals Ltd |
| | Isibonelo Colliery | Mpumalanga | Tip wall | 12 | TerraClass | Anglo American Corp |
| | Leeupan | Mpumalanga | | | TerraClass | Kumba |
| | Everest South | Mpumalanga | | | TerraClass | Aquarius Platinum |
| | Lefa Corridor | Guinea | Tip Walls | 15 | TerraClass | Crew Gold Corp |
| 2005 | Andru Mining | Mpumalanga | Tip Wall | 8.7 | TerraClass | Andru Mining |
| | Baken 2 | Northern Cape | Tip Wall | 18 | TerraMet | Trans Hex Operations |
| | Two Rivers | Mpumalanga | Tip Wall | | TerraClass | Implats & Arm Plat |
| 2006 | Sishen | Northern Cape | Wingwalls | 21 | TerraTrel | Kumba |
| | Somkhele Coal | KwaZulu Natal | | 12,75 | TerraClass | PETMIN |
| | Catoca Phase 1 | Angola | Tip wall | 13,6 | TerraClass | Endiama |
| | Nkomati | Mpumalanga | | 17.8 | TerraClass | African Rainbow Mining |
| 2006 | Frontier Project | D R C | Tip wall | 17 | TerraMet | First Quantum Minerals |

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| | Catoca Phase 2 | Angola | Tip wall | 13 | TerraClass | Endiama |
| | Excelsior | Free State | Tip Wall | 11 | TerraClass | Lion Resource Management |
| | Mafube Colliery | Mpumalanga | Tip Wall | 16 | TerraClass | Anglo Coal |
| | Tasiast | Mauritania | Tip Wall | 13 | TerraMet | Red Back Mining Corp |
| 2007 | Mafube Mine <i>Terrace</i> | Mpumalanga | Ret Wall | 3 | TerraClass | Anglo Coal |
| | Inyanda Coal | Mpumalanga | Tip wall | 15 | TerraClass | Exxaro Resources |
| | Kalsaka Mine | Burkina Faso | Tip Wall | 9.8 | TerraMet | Cluff Gold |
| | Dukwe Copper Mine | Botswana | Tip wall | 18.7 | TerraTrel | African Copper PLC |
| | Bluegum Mine | NW Province | Tip Wall | 6 | TerraTrel | Etruscan Diamonds |
| | Jopro Consulmet 004 | Angola | Tip Wall | 9 | TerraMet | Consulmet |
| | Pilanesberg Platinum Mine | NW Province | Head Wall | 13 | TerraClass | Platmin Ltd |
| | Goedegevonden | Mpumalanga | Tip Wall | 15 | TerraTrel | Arm Coal & XstrataJV |
| | Nkomati 2 | Mpumalanga | Tip wall | 10 | TerraClass | ArmPlat / AAC JV |
| | Perkoa Mine | Burkina Faso | Tip wall | 8 | TerraClass | Aim Resources |
| 2008 | Consulmet 2 | Angola | Tip wall | 9 | TerraMet | Consulmet |
| | Kinsevere Copper | D R C | Ret Wall | 7 | TerraMet | Anvil Mining Ltd |
| | Bluegum Mine 2 | NW Province | Tip wall | 6 | TerraTrel | Etruscan Diamonds |
| | Goedegevonden 2 | Mpumalanga | Stacker Ret wall | 8 | TerraTrel | Arm Coal / Xstrata |
| | Jwaneng re-crush reload | Botswana | Tip Wall | 5.7 | TerraMet | Debswana |
| | Namakwa Diamonds Navigation West | NW Province | Tip Wall | 10 | TerraTrel | |
| | BISHA | Eritrea | Tip Wall | 16.5 | TerraTrel | Bisha Mining Share Company |
| | Murowa Diamonds | Zimbabwe | Tip Wall | 4.5 | TerraMet | Consulmet |
| | Matiz Plant | Gauteng | Tip Wall | 13.5 | TerraClass | Samancor |
| 2009 | Middelberg Boschmanskraal | Mpumalanga | Wing walls | 10 | TerraClass | BHP Billiton |
| | Container Middelkraal | Mpumalanga | Tip Wall | 8 | TerraClass | Xantium |
| | Zondagsfontein | Mpumalanga | Tip Wall | 12.6 | TerraMet | Sengare/Xstrata |
| | Sishen South | N Cape | Wing walls | 19.7 | TerraTrel | Kumba |
| 2010 | Perseus Mine | Ghana | Tip Wall | 16 | TerraClass | DRA |
| | Brummersheim Colliery | Mpumalanga | Tip Wall | 10.6 | TerraTrel | DRA |
| | Dorstfontein Tip | Mpumalanga | Tip Wall | 18 | TerraClass | DRA Total Coal |
| | Atcom East | Mpumalanga | Tip Wall | 18.7 | TerraClass | Xstrata |
| | Moatize | Mocambique | Tip Wall | 20.2 | TerraClass | VALE/Odebrecht |
| | Bronkhorstspruit | Gauteng | Tip Wall | 7.7 | TerraClass | |
| 2011 | Jwaneng cut8 | Botswana | Tip Wall | 5 | TerraClass | De Beers |
| | AK06 | Botswana | Tip Wall | 20.23 | TerraTrel & TerraMet | De Beers |
| | Jwaneng mineral sizer | Botswana | Tip Wall | 14.23 | TerraClass | Debswana |
| 2012 | Tharisa Tip wall | Rustenburg | Tip Wall | 18.73 | TerraClass | Tharisa Mining |
| | Ghaghoo Tip Wall | Botswana | Tip Wall | 4.2 | TerraMet | Consulmet |
| | | | | | | |

TerraClass = Concrete cladding
TerraTrel = Grid cladding
TerraMet = Metallic cladding