

Site Sprinkler Plan Kronospan Ltd

Chirk, Wrexham

| Sprinkler System Details | | | | | | | | | |
|--------------------------|-------|------|---------|-----------|---------|---|---------|------|--------------------|
| Line | Level | Area | Station | Valve Set | Type | Area Covered | Density | PID | Notes |
| 1 | GF | 15 | 5 | 2 | Wet (F) | Chopped Control Framing bay and part new finishing line & Dust Silo 1, Filter | 15mm | Foam | 2013-01 |
| 2 | GF | 15 | 5 | 3 | Dry | Old Loading Bay | 15mm | | |
| 3 | GF | 14 | 6 | 4 | Wet | P15, parts P3 Presses | 10mm | | 2013-01 |
| 4 | GF | 14 | 6 | 5 | Dry | East warehouse bay 1 and half of bay 2 Sales Office, Warehouse 1 Logistics Office | 17.5mm | | 2013-01 |
| 5 | GF | 14 | 6 | 6 | Dry | East warehouse half of bay 2 and half of bay 3 | 15mm | | |
| 6 | GF | 14 | 6 | 7 | Dry | East warehouse half of bay 3 and bay 4 | 17.5mm | | |
| 7 | GF | 14 | 6 | 7a | Dry | Small buildings | 7mm | | 2015-02 |
| 8 | GF | 14 | 9 | 8 | Wet | Warehouse and Treated paper store | 10mm | | 2013-01 |
| 9 | GF | 14 | 9 | 9 | Wet | P11 Press | 10mm | | |
| 10 | GF | 13 | 9 | 10 | Wet | Part V10 2 and part V10 3 and Part Warehouse | 10mm | | 2013-01 |
| 11 | GF | 13 | 9 | 11 | Wet | East warehouse and part V10 2 and Part Warehouse | 10mm | | 2013-01 |
| 12 | GF | 13 | 9 | 12 | Dry | East warehouse and part V10 3 | 10mm | | 2013-01 |
| 13 | GF | 13 | 12 | 13 | Dry | Raw Paper Store, Refiner Building | 12.5mm | | |
| 14 | GF | 13 | 12 | 14 | Wet | V10 5, part P9 Press | 10mm | | 2011-03 |
| 15 | GF | 12 | 12 | 14a | Dry (F) | Thermal oil pump room V10 5 | 10mm | | |
| 16 | GF | 14 | 15 | | Dry | Thermal Oil Boiler K6 | 10mm | | |
| 17 | GF | 6 | 20 | 15a | Dry (F) | MD2 Hydraulic / Thermal Oil Room | 12mm | | |
| 18 | GF | 7 | 20 | 15b | Wet | Boiler room | 12mm | | 2011-02 |
| 19 | GF | 7 | 11 | | Wet | MD2 Hydraulic / MD2 Dust Silo 2, Filter | 10mm | | 2012-01 |
| 20 | GF | 7 | 11 | 17 | Wet | Part Intermediate board store and Store | 10mm | | |
| 21 | GF | 6 | 4 | 19 | Wet | MD2 Hydraulic / MD2 Dust Silo 2, Filter | 10mm | | 2012-01, Completed |
| 22 | GF | 4 | 4 | 20 | Wet | New Finishing Line MDF | 12.5mm | | |
| 23 | GF | 4 | 4 | 20 | Dry | Loading area | 12.5mm | | |
| 24 | GF | 3 | 1 | 21 | Dry | Far East Warehouse bay 5 | 17.5mm | | |
| 25 | GF | 3 | 1 | 21a | Dry | Far East Warehouse bay 5 Extension | 15mm | | 2011-01 |
| 26 | GF | 3 | 1 | 22 | Dry | Far East Warehouse bay 6 | 15mm | | |
| 27 | GF | 3 | 2 | 23 | Dry | Far East Warehouse bay 7 | 17.5mm | | |
| 28 | GF | 3 | 2 | 24 | Dry | Far East Warehouse bay 8 | 17.5mm | | |
| 29 | GF | 3 | 2 | 25 | Dry | Far East Warehouse bay 9 | 17.5mm | | |
| 30 | GF | 3 | 2 | 26 | Dry | Far East Warehouse bay 10 | 15mm | | |
| 31 | GF | 3 | 2 | 27 | Dry | Far East Warehouse bay 11 | 15mm | | |
| 32 | GF | 18 | 17 | 28 | Wet | Workshop production hall | 10mm | | |
| 33 | GF | 18 | 16 | 28a | Dry | Loading Bay | 13mm | | |
| 34 | GF | 18 | 17 | 29 | Wet | Sekko Saw, and warehouse | 13mm | | |
| 35 | GF | 18 | 17 | 30 | Wet | Flooring line and warehouse | 13mm | | |
| 36 | GF | 18 | 18 | 31 | Dry | Kronospan North West Warehouse | 17.5mm | | |
| 37 | GF | 18 | 19 | 32 | Dry | Kronospan North East Canopy | 17.5mm | | |
| 38 | GF | 9 | 15 | 33 | Wet | K7 Boiler Plant Walking Floor P16 | 5mm | | |
| 39 | GF | 9 | 15 | 34 | Wet | K7 Boiler Plant Gas Burner Enclosure | 5mm | | |
| 40 | GF | 9 | 15 | 35 | Wet | K7 Boiler Plant Main Feed Conveyor | 5mm | | |
| 41 | GF | 9 | 15 | 36 | Wet | K7 Boiler Plant Walking Floor Enclosure | 5mm | | |
| 42 | GF | 9 | 15 | 37 | Wet | K7 Boiler Plant Compressor Room | Foam | | |
| 43 | GF | 9 | 15 | 38 | Wet (F) | K7 Boiler Plant Steam Generating Room | Foam | | |
| 44 | GF | 9 | 15 | 39 | Wet (F) | K7 Boiler Plant Thermal Oil Pump | Foam | | |
| 45 | GF | 9 | 15 | 40 | Wet (F) | K7 Boiler Plant Thermal Oil Room | Foam | | |
| 46 | GF | 9 | 15 | 41 | Wet (F) | Sekko Filter | Foam | | |
| 47 | GF | 6 | 4a | 42 | Wet (F) | Thermal Oil Pump Station MD2 1 | Foam | | |
| 48 | GF | 6 | 4a | 43 | Wet (F) | Steam Boiler room | Foam | | |
| 49 | GF | 6 | 4a | 44 | Wet (F) | Hydraulic Room MD2 1 | Foam | | |
| 50 | GF | 14 | 6a | 45 | Wet (F) | Part P3 Press Thermal Oil Station | Foam | | |
| 51 | GF | 14 | 6a | 46 | Wet (F) | Part P3 Press Hydraulic Thermal Oil Station | Foam | | |
| 52 | GF | 14 | 6a | 47 | Wet (F) | Part P4 Press Hydraulic Thermal Oil Station | Foam | | |
| 53 | GF | 14 | 6a | 48 | Wet (F) | Part P4 Press Hydraulic Thermal Oil Station | Foam | | |
| 54 | GF | 14 | 6a | 49 | Wet (F) | Part P4 Press Hydraulic Thermal Oil Station | Foam | | |
| 55 | GF | 17 | 7b | 50 | Dry (F) | Fire Fighting Room To Metanol Tank 1A | Foam | | |
| 56 | GF | 17 | 7b | 51 | Dry (F) | Fire Fighting Room To Metanol Tank 1B | Foam | | |
| 57 | GF | 17 | 7b | 52 | Dry (F) | Fire Fighting Room To Blank Line | Foam | | |
| 58 | GF | 20 | 21 | 53 | Dry | K8 Boiler Infeed CV Pump Area | 5mm | | |
| 59 | GF | 20 | 21 | 54 | Wet | Gas Engines 1,2 & 3 sprinklers | 10mm | | |
| 60 | GF | 20 | 21 | 55 | Dry (F) | K8 Thermal Oil Pumps | Foam | | |
| 61 | GF | 14 | 6a | 56 | Wet | P16/P2 Press hall building | 17.5mm | | |
| 62 | GF | 14 | 6a | 57 | Dry | New Hall Storage area | 17.5mm | | |
| 63 | GF | 14 | 6a | 58 | Dry | New Hall Storage Area | 17.5mm | | |
| 64 | GF | 15 | 5 | 2 | Wet (F) | Chopped Control & part board store K6 Thermal oil pump room | 10mm | | Foam |
| 65 | GF | 15 | 5 | 3 | Dry | Chopped Control Framing bay and part new finishing line & Dust Silo 1, Filter | 15mm | | |
| 66 | GF | 14 | 6 | 4 | Wet | P15, parts P3 Presses | 10mm | | |
| 67 | GF | 14 | 6 | 5 | Dry | East warehouse bay 1 and half of bay 2 Sales Office, Warehouse 1 Logistics Office | 17.5mm | | |
| 68 | GF | 14 | 6 | 6 | Dry | East warehouse half of bay 2 and half of bay 3 | 15mm | | |
| 69 | GF | 14 | 6 | 7 | Dry | East warehouse half of bay 3 and bay 4 | 17.5mm | | |
| 70 | GF | 14 | 6 | 7a | Dry | Small buildings | 7mm | | |
| 71 | GF | 14 | 9 | 8 | Wet | Warehouse and Treated paper store | 10mm | | |
| 72 | GF | 14 | 9 | 9 | Wet | P11 Press | 10mm | | |
| 73 | GF | 13 | 9 | 10 | Wet | Part V10 2 and part V10 3 and Part Warehouse | 10mm | | |
| 74 | GF | 13 | 9 | 11 | Wet | East warehouse and part V10 2 and V10 3 and parts P1 and P2 | 10mm | | |
| 75 | GF | 13 | 12 | 13 | Dry | Raw Paper Store, Refiner Building | 12.5mm | | |
| 76 | GF | 13 | 12 | 14 | Wet | V10 5, part P9 Press | 10mm | | |
| 77 | GF | 12 | 12 | 14a | Dry (F) | V10 5, Hyman Press thermal oil pump room | Foam | | |
| 78 | GF | 14 | 15 | 15 | Dry | Thermal Oil Boiler K6 | 10mm | | |
| 79 | GF | 6 | 20 | 15a | Dry (F) | MD2 Hydraulic / Thermal Oil Room | Foam | | |
| 80 | GF | 7 | 20 | 15b | Wet | Boiler room | 12mm | | |
| 81 | GF | 7 | 11 | 17 | Wet | Part Intermediate board store and Store | 10mm | | |
| 82 | GF | 6 | 4 | 19 | Wet | MD2 Hydraulic / MD2 Dust Silo 2, Filter | 10mm | | |
| 83 | GF | 4 | 4 | 20 | Dry | New Finishing Line MDF | 12.5mm | | |
| 84 | GF | 4 | 4 | 20 | Dry | Loading area | 12.5mm | | |
| 85 | GF | 3 | 1 | 21 | Dry | Far East Warehouse bay 5 | 17.5mm | | |
| 86 | GF | 3 | 1 | 21a | Dry | Far East Warehouse bay 5 Extension | 15mm | | |
| 87 | GF | 3 | 1 | 22 | Dry | Far East Warehouse bay 6 | 15mm | | |
| 88 | GF | 3 | 2 | 23 | Dry | Far East Warehouse bay 7 | 17.5mm | | |
| 89 | GF | 3 | 2 | 24 | Dry | Far East Warehouse bay 8 | 17.5mm | | |
| 90 | GF | 3 | 2 | 25 | Dry | Far East Warehouse bay 9 | 17.5mm | | |
| 91 | GF | 3 | 2 | 26 | Dry | Far East Warehouse bay 10 | 15mm | | |
| 92 | GF | 3 | 2 | 27 | Dry | Far East Warehouse bay 11 | 15mm | | |
| 93 | GF | 18 | 17 | 28 | Wet | Workshop production hall | 10mm | | |
| 94 | GF | 18 | 16 | 28a | Dry | Loading Bay | 13mm | | |
| 95 | GF | 18 | 17 | 29 | Wet | Sekko Saw, and warehouse | 13mm | | |
| 96 | GF | 18 | 17 | 30 | Wet | Flooring line and warehouse | 13mm | | |
| 97 | GF | 18 | 18 | 31 | Dry | Kronospan North West Warehouse | 17.5mm | | |
| 98 | GF | 18 | 19 | 32 | Dry | Kronospan North East Canopy | 17.5mm | | |
| 99 | GF | 9 | 15 | 33 | Wet | K7 Boiler Plant Walking Floor P16 | 5mm | | |
| 100 | GF | 9 | 15 | 34 | Wet | K7 Boiler Plant Gas Burner Enclosure | 5mm | | |
| 101 | GF | 9 | 15 | 35 | Wet | K7 Boiler Plant Main Feed Conveyor | 5mm | | |
| 102 | GF | 9 | 15 | 36 | Wet | K7 Boiler Plant Walking Floor Enclosure | 5mm | | |
| 103 | GF | 9 | 15 | 37 | Wet | K7 Boiler Plant Compressor Room | Foam | | |
| 104 | GF | 9 | 15 | 38 | Wet (F) | K7 Boiler Plant Steam Generating Room | Foam | | |
| 105 | GF | 9 | 15 | 39 | Wet (F) | K7 Boiler Plant Thermal Oil Pump | Foam | | |
| 106 | GF | 9 | 15 | 40 | Wet (F) | K7 Boiler Plant Thermal Oil Room | Foam | | |
| 107 | GF | 9 | 15 | 41 | Wet (F) | Sekko Filter | Foam | | |
| 108 | GF | 6 | 4a | 42 | Wet (F) | Thermal Oil Pump Station MD2 1 | Foam | | |
| 109 | GF | 6 | 4a | 43 | Wet (F) | Steam Boiler room | Foam | | |
| 110 | GF | 6 | 4a | 44 | Wet (F) | Hydraulic Room MD2 1 | Foam | | |
| 111 | GF | 14 | 6a | 45 | Wet (F) | Part P3 Press Thermal Oil Station | Foam | | |
| 112 | GF | 14 | 6a | 46 | Wet (F) | Part P3 Press Hydraulic Thermal Oil Station | Foam | | |
| 113 | GF | 14 | 6a | 47 | Wet (F) | Part P4 Press Hydraulic Thermal Oil Station | Foam | | |
| 114 | GF | 14 | 6a | 48 | Wet (F) | Part P4 Press Hydraulic Thermal Oil Station | Foam | | |
| 115 | GF | 17 | 7b | 50 | Dry (F) | Fire Fighting Room To Metanol Tank 1A | Foam | | |
| 116 | GF | 17 | 7b | 51 | Dry (F) | Fire Fighting Room To Metanol Tank 1B | Foam | | |
| 117 | GF | 17 | 7b | 52 | Dry (F) | Fire Fighting Room To Blank Line | Foam | | |
| 118 | GF | 20 | 21 | 53 | Dry | K8 Boiler Infeed CV Pump Area | 5mm | | |
| 119 | GF | 20 | 21 | 54 | Wet | Gas Engines 1,2 & 3 sprinklers | 10mm | | |
| 120 | GF | 20 | 21 | 55 | Dry (F) | K8 Thermal Oil Pumps | Foam | | |
| 121 | GF | 14 | 6a | 56 | Wet | P16/P2 Press Hall | 17.5mm | | |
| 122 | GF | 14 | 6a | 57 | Dry | New Storage Hall Area | 17.5mm | | |
| 123 | GF | 14 | 6a | 58 | Dry | New Storage Hall Area | 17.5mm | | |

| LEGEND | | | |
|--------|---------------------------------------|-------|--------------------------|
| | Fire Brigade Access | | |
| | Escape route | | |
| | Chemical Hazard | | |
| | Gas Hazard | | |
| | Explosion Risk | | |
| | Electrical Danger & Voltage | | |
| | Fire Risk High | | |
| | Danger Using Water to Extinguish Fire | | |
| | Alarm control Centre with Main Alarm | | |
| | Fire Alarm - Parallel Display device | | |
| | Fire Alarm Box with Telephone | | |
| | Sprinkler Station | | |
| | Sprinkler Tank | 500m³ | Refill Supply 617 lt/min |
| | Sprinkler Tank | 500m³ | Refill Supply 617 lt/min |
| | Water Tank | 350m³ | Refill Supply 280 lt/min |
| | Water Tank | 800m³ | Refill Supply 210 lt/min |
| | Water Tank | 800m³ | Refill Supply 210 lt/min |
| | Sprinkler Tank | 400m³ | Refill Supply 210 lt/min |
| | Water Tank | 108m³ | Refill Supply 245 lt/min |
| | Manifolds | | |

| LEGEND | | | |
|--------|--------------------------|--------|----------------------------|
| | Minimax Tank | 210m³ | Refill Supply 73 lt/min |
| | Lagoon | 2022m³ | Ref' Sup' Min' 433 lt/min |
| | Lagoon | 2022m³ | Ref' Sup' Max' 5000 lt/min |
| | Canal water Untreated | 30m³ | Refill Supply 43m³/hr |
| | Canal Water Treated | 60m³ | Refill Supply 43m³/hr |
| | Lagoon Water Treated | 15m³ | Refill Supply 466 lt/min |
| | Lagoon | 2900m³ | |
| | Bore Hole | 27m³/h | |
| | Bore Hole | 26m³/h | |
| | Main Hydrant Town Water | | |
| | Main Hydrant Canal Water | | |
| | Water Suction Point | | |
| | Area Identification | | |
| | Current Location Point | | |
| | Gas Main Isolation | | |
| | Water Main Isolation | | |

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| 1 | 18.11.15 | Site plan updated |
| 2 | 17.11.15 | Design solution for boilers (Exhaustion Plan) |
| 3 | 17.11.15 | Site plan updated |
| 4 | 18.11.15 | The insurance claim for boiler |
| 5 | 06.11.15 | Formalised the issue AsH & AsH added |
| 6 | 26.06.15 | PE installation finished in 1111 connection |
| 7 | 26.06.15 | 2nd 2 removed from Exhaustion Plan |
| 8 | 27.11.15 | Exhaustion details added to show correct final |
| 9 | 15.06.15 | Logbook for 1111 APC |
| 10 | 15.06.15 | Logbook for 1111 APC |
| 11 | 15.06.15 | Logbook for 1111 APC |
| 12 | 15.06.15 | Logbook for 1111 APC |
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