

Typical Outline Specification

20 Year Noxite Capsheet

Total Torch Warm Roof System

Preparation

Remove all superfluous materials, dust and debris from the roof and leave in a clean and dry condition.

Substrate Preparation

Existing Bituminous System: Prime with Icopal Siplast Primer, and leave to dry.

Vapour Control Layer

Apply a layer of Total Torch Vapour Control Layer. The membrane should be torch applied to completely remove the plastic film and fully bond the underside with 100mm side laps and 150mm end laps. All laps must be thoroughly checked for security as work proceeds. The edge of the insulation must be encapsulated at all details by allowing sufficient oversail of the vapour control layer. At upstands the vapour control layer must be dressed up the upstand to allow a minimum 100mm lap with the waterproofing when it is installed.

Important note; *Total Torch VCL is not suitable for direct application by torching to combustible substrates, or against details where there is a risk of fire due debris or other flammable hazards. SA primer and TorchSafe T.A. VCL- Stripes should be specified in these locations, where appropriate.*

Insulation

Apply 90mm Thermazone Torch-On Insulation boards to the required thickness. The top surface of the striped vapour control layer must be torched to completely remove the plastic film and to activate the bitumen stripes.

The insulation boards, with the black fleece side uppermost, must then be bedded onto the activated area immediately with firm and even downward pressure to achieve a good bond. Tee Guards must be used when installing the insulation in accordance with the current instructions.

Install Thermazone Roofboard Insulation Fillet, 50mm x 50mm, angle fillets at the junction of horizontal and vertical surfaces, securely fixed.

Underlay

Apply a layer of Total Torch Vapour Dispersion Layer. The membrane should be low flame torched to completely remove the plastic film and activate the bitumen stripes on the underside and achieve a high strength partial bond. Side laps must be minimum 75mm and end laps minimum 100mm. All laps must be thoroughly checked for security as work proceeds. It is imperative that end laps are properly sealed as work progresses.

Capsheet

Apply a layer of Noxite Classic Mineral capsheet, fully bonded to the underlay by careful torching ensuring the thermofusible film is completely removed from the underside as work proceeds. Head laps to be 100mm and side laps should be 80 mm minimum. All details to be formed in accordance with current codes of practice as separate items. Ensure a continuous 5mm bead of bitumen extrudes from all laps.

Details

All detail work to be carried out as separate items, formed in accordance with current codes of practice, and comprise the following;

For all Non-Flammable Substrates the substrate is to be first primed using Icopal S.A. Primer. Underlay to be a layer of Anderson T.A. Detailing Underlay, fully bonded following removal of the release sheet. Head laps to be 100mm and side laps 75mm minimum. Ensure the membrane is sufficiently adhered to the substrate. Enhanced adhesion is achieved by heating from above while the capsheet is torch-applied. The capsheet should be installed immediately after the underlay to ensure adhesion.

Important Information

As all roofing projects are different, this document is intended for information only, and the user should satisfy themselves of its suitability. For an appropriate project specification please consult your local Icopal Area Technical Manager who can discuss your requirements in more detail.

Capsheet to be a layer of Noxite Mineral capsheet, fully bonded by careful torching ensuring the thermofusible film is completely removed from the underside as work proceeds. Head laps to be 150mm and side laps to follow the mineral-free selvedge and be minimum 75mm. Ensure a continuous 5mm bead of bitumen extrudes from all laps.

Important note; Noxite Mineral capsheet is not suitable for direct application by torching to combustible substrates, or against details where there is a risk of fire due debris or other flammable hazards. Ensure those substrates are protected or use alternative detailing products.

For all Flammable Substrates the substrate is to be first primed using Icopal S.A. Primer. Underlay to be a layer of Anderson T.A. Detailing Underlay, fully bonded using flame-free hot-air equipment to the underside following removal of the release sheet. Head laps to be 100mm and side laps 75mm minimum and hot-air welded. Ensure the membrane is sufficiently adhered to the substrate.

Capsheet to be a layer of FireSmart TA Detailing Capsheet to the detail. TA Detailing underlay must be primed using Icopal S.A. Primer prior to application of the capsheet. The capsheet should then be fully bonded to the underlay following removal of the release sheet. Head laps to be 150mm and side laps to follow the mineral-free selvedge. Overlaps should be hot-air welded, ensuring a continuous 5mm bead of bitumen extrudes at all laps.

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