

Installation Instructions

CraftGrade W20 Installation Instructions:

- CraftGrade W20 is synthetic roof-deck underlayment
- designed and manufactured to replace asphalt saturated felt in sloped roof system construction.
- CraftGrade W20 is considered an air, vapor and water barrier and therefore must be installed above properly ventilated attic space(s).
- All applicable building codes in your geographic area and specific to the building structure type must be followed as the product is considered a vapor barrier.
- The roof deck must be clean of debris, solid, properly fastened and free of voids and/or damage.
- CraftGrade W20 must be installed printed side up and unrolled parallel to the roof eave.
- Plastic cap nails must be used when being exposed longer than 1 day and up to 30 days to secure CraftGrade W20 properly. The plastic cap fasteners should be a minimum of 1" in length and have caps a minimum of 1" in diameter.
- The plastic cap fastener spacing should be a minimum of 6" o.c. horizontally along the indicated fastener placement areas at the top and the bottom of the sheet, and at 12" o.c. in the center fastener placement locations on the sheet. If installation of the prepared roofing cover in the same day, use of every other anchoring location printed in the field of the underlayment is acceptable.
- If product is to be covered with asphalt shingles or stone coated metal roofing the same day CraftGrade W20 can be installed with corrosive resistant 3/8" head by 1" minimum length roofing nails (ring shank recommended).
- Top and bottom overlaps should be 4" minimum as indicated by the lay-up fastener lines printed on the sheet.
- End overlaps should be a minimum of 6" and fastened at 12 o.c., vertically along the overlaps at 2" in from the end of the top layer. For extended exposure periods, over 1 day, a minimum of 12" end overlap is required.
- The plastic cap nails should be driven flush to the surface of CraftGrade W20 without cutting into the sheet.
- Repair all damage to the CraftGrade W20 before proceeding. For seams, joints or tears, repairs may be made using self-stick ashing tape or the equivalent. Asphalt adhesives may also be used to seal joints, ashings and laps.
- CraftGrade W20 should be extended at least 12" past all hips and valleys.
- CraftGrade W20 installed on less than 4:12 slopes should be applied in a double coverage method, (overlapping by the normal 4" application is acceptable). Fastening can be through both layers on less than 4:12 slopes.
- For extended exposure over same day where driving rains and/or strong winds, double the lap widths as a minimum precaution. Alternatively, fold the overlay laps to form a "j - channel" configuration before nailing; using a compatible sealant between the laps, or using a peel and stick tape is highly recommended.
- Where seams and joints require a sealant or adhesive, use a high quality, low solvent, asbestos free, plastic roofing cement that meets ASTM D-4586 Type 1 (Asbestos Free), Federal Spec SS-153 Type 1 (Asbestos Free) such as Karnak or equivalent. Acceptable alternatives are butyl rubber, urethane, and EPDM based caulk or tape sealants.
- Follow the ARMA (Asphalt Roofing Manufacturers Association) recommendations for installing shingle underlayments and ashings for best roofing practices.
- CraftGrade W20 is not designed for indefinite outdoor exposure. Finished roofing should be installed within 30 days.

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