



# Power Claw 22

Technical Data Sheet

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## SECTION 1: DESCRIPTION

Power Claw 22 is one-part moisture cured adhesive intended for bonding a variety of construction materials. Power Claw 22 has an initial grab subjective to the presence of moisture in the air and material surroundings within 30 minutes to 3 hours and a complete cure time of 24 hours. Power Claw 22 contains a UV sensitive dye for ease in locating adhesive "squeeze out".

## SECTION 2: PHYSICAL PROPERTIES

Color	Grey
Density (ASTM D0792)	9 lbs/gal
Odor	Neutral
Shelf Life (sealed container)	180 days
Solids	100%
Viscosity	>50,000 cps

## SECTION 3: SUGGESTED APPLICATIONS

SynLok Power Claw 22 is a single component polyurethane-based moisture cured adhesive. Power Claw 22 provides superior adhesion to most common construction materials, including concrete, metal, foam and wood, and is also widely used for adhesion of synthetic materials in rugged outdoor conditions. It can be used for both interior and exterior applications and the presence of moisture aids in the curing process. It is waterproof and paintable.

## SECTION 4: APPLICATION AND CURING CONDITIONS

This product is easily applied by a trowel or from a tube. For optimal adhesion, surfaces to be bonded should be clean and free of surface contamination. In most cases of metal the finish needs to be sanded, etched, ground or perforated. Apply the adhesive to only one side of the project. No open time is needed; bonding surfaces can be assembled immediately.

No mixing is required. It may also be necessary to add weight or support to the bonded surfaces to keep them in contact until product has grabbed.

Cure Time: Grab time 30 minutes to 3 hours depending on the presence of moisture – Complete cure 24 hours @ 77 F and 50% relative humidity. Increased humidity levels can accelerate cure times.

A fine "mist" can accelerate cure times and increase bonding strength – however too much water, as in soaking a surface with a hose, will indeed accelerate cure but can potentially decrease adhesive strength due to over activation/reaction of the urethane adhesive, introducing more of a "foaming bond" as opposed to a solid monolithic bond.

This product may be used for bonding many other types of materials. The product has a controlled expansion into permeable surfaces and creates an aggressive bond. If there is no room for the product to expand or if too much is applied an uneven surface or bond may result. Bond Testing is recommended for the user to determine if Power Claw 22 is the correct adhesive.

## SECTION 5: PERFORMANCE PROPERTIES

Temperature	Tensile Strength	Elongation
77 F	3204 +/- 359 PSI	916 +/- 86%
160 F	597 +/- 39 PSI	758 +/- 42%
-20 F	7315 +/- 478 PSI	17 +/- 3%

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## SECTION 6: CLEAN-UP

Isopropyl Alcohol has proven to work in most cases. Industrial solvents such as Toluene or Dibasic Esters, or Dioctyl Phthalate are suitable solvent to clean parts from equipment or work areas of uncured material. Cured material may require chemical strippers for removal. Always use protective gloves.

## SECTION 7: SAFETY AND HANDLING

For complete safety and handling information consult SDS for more details. However, always use common sense good personal hygiene practices: avoid eye and skin contact by wearing safety goggles and protective gloves when handling in an unsafe manner.

## SECTION 8: STORAGE

Store Power Claw 22 at room temperature in the original unopened container, this adhesive has a shelf life of 180 days in five gallon pails. Shelf life is greatly reduced in tubes by improper storage. Power Claw 22 is moisture sensitive and must be protected from moisture at all time. When not in use keep container closed. Partially used containers should be nitrogen purged to prevent moisture contamination. Contaminated material cannot be recovered. Store tightly closed drums or pails in a cool, dry place.

**CAUTION:** Moisture contamination will render Power Claw 22 unusable.

## SECTION 9: WARRANTY

For any valid claim presented under the limited warranty, SynLok Adhesives will replace the product, or, at its option, refund the purchase price. This replacement/refund is the purchaser's sole and exclusive remedy against SynLok Adhesives. The purchaser agrees that no other resolution (including but not limited to lost profits, lost sales, injury to person or property or any other incidental or consequential loss) shall be available to purchaser for claims arising out of any use of the product regardless of the legal theory (contract, tort or other). In no event will SynLok Adhesives be obligated to pay damages to purchaser in any amount exceeding the price that the purchaser paid for the product. SynLok Adhesives warrants that our products are manufactured in accordance with SynLok Adhesives specifications in effect on the date of manufacture. These specifications are available upon request. This warranty does not cover test data, or any defects, damages or other harms caused to any extent or in any way by failure to follow applicable SynLok Adhesives instructions, if any, or abuse/misuse of the product.

Any Claim made or action commenced by purchaser/ end user under SynLok Adhesive limited warranty as set forth herein must be brought within six months from the date of shipment from SynLok Adhesives to the purchaser. Purchaser agrees that all disputes arising from SynLok Adhesives sale of product to purchaser shall be brought, if at all, in and before a court located in the state of North Carolina, to the exclusion of the courts of any other state.