



Fix190 FWT (MSP190 Fast)

Fast Working Time (FWT)

Fix190 FWT (MSP190 Fast) is an ultimate high strength one-component UV resistant structural bonding adhesive sealant suitable for external and interior bonding, glass window bonding and sealing finishing has obtained DNV and GL structural certification and is also tested and approved for use in potable water hot and cold applications.

Fix190 FWT (MSP190 Fast) cures into a very strong but flexible rubber, with excellent adhesion to many marine, transport and specialist construction substrates like steel, composites, honeycomb polyester/fibreglass covered panels, copper, brass, timber, fibreglass, ceramic, carbon fibre, epoxy coated products, glass, aluminium, stainless steel, mirror, rough and treated metals and most plastics (consult our technical department) without primer.

Fix190 FWT (MSP190 Fast) is suitable for internal and external adhesive sealing operations such as: composite component bonding, deck to hull bonding, flying bridge bonding, bus panel structural bonding, wind blade bonding, automotive bonding, direct glass window bonding, underwater bonding, water tank bonding and sealing, handrails, windows, hatches, and structural components, bulkheads, keels, bulbs, and other components requiring strong yet semi flexible adhesion.

Fix190 FWT (MSP190 Fast) with its high glass transition temperature works perfectly from -40° C to 100°C without a major influence of its material properties, this product shows excellent resistance to fresh and salt water, also to atmospheric agents, climatic changes, UV radiation and fatigue cyclic loading.

Fix190 FWT (MSP190 Fast) Fast Working Time that has a more harder feel, high build without sag, with a high green strength that securely bonds the pieces together and holds themselves in place whilst curing

Fix190 FWT (MSP190 Fast) is over-paintable with all water based paints and many other 2 pack paint systems including Flow coat 1 hour from application. It is always advisable to make preliminary paint tests to ensure compatibility.

Fix190 FWT (MSP190 Fast) shows excellent



resistance to UV radiation, large variations in temperature extremes and environmental conditions. Fix190 FWT (MSP190 Fast) colours are colour fast and UV stable our white colour will NOT change to yellow colour when exposed to UV radiation and our other colours will also stay true to their colour and will not smudge when exposed to UV radiation.

PREPARATION OF SURFACES: Quick rule; Surface must be clean, dry free from dust and oil.

Non-Porous Surfaces:

For best results sand the surface to be bonded either manually with sand paper or with a grinder or sanding machine, clean the new surface with a good industrial alcohol cleaner or Methylated Spirits using a clean lint free cloth. Non-porous surfaces are for example gel coats, aluminium, steel, stainless steel, plastics, 2K PU or epoxy pain as found in the marine or automotive industry.

Porous surfaces:

If the surface has had a filler/bog treatment for levelling and if that surface is not 2K sealed, then we would recommend sealing the surface as fillers are porous. If no final sealer is applied then we recommend compatibility test must be performed

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or apply Primer PR10 to seal the surface before bonding.

For Timber ensure the surface is free of dust and oils, do a compatibility test to make sure the surface is suitable, otherwise sand the surface if required and ensure it is free of dust, debris and any oils, if unsure then for best results prime porous substrates with Fixtech Primer PR10.

Friendly warning:

Do not apply Acetone to unfinished fibreglass composite as a pre cleaner, as it may reactivate the resins making the fibreglass sticky and will prevent adhesion. If the surface is sticky wait until the surface is completely dry sand/abrade the surface again and clean down with an industrial alcohol cleaner or methylated Spirits. We do not recommend the use of paint preparation solvent as it may contain oil or wax residue.

APPLICATION

Cartridge: cut off the tip only on the plastic nozzle not below the thread at the nozzle location, screw fix the plastic nozzle and cut according to the extrusion diameter required, extrude from cartridge with a manual FG4 or FG5 pneumatic gun.

Sausage: Insert sausage into a manual barrel tool FG7 or pneumatic barrel tool FG8, cut the sausage just behind the clip, screw the front end flange nut with the nozzle cut to diameter of bead required onto the barrel tool and dispense carefully.

Cleaning tools: 100% industrial alcohol cleaner or methylated spirits immediately after application and before curing

Tooling: Soapy pH neutral diluted solution sprayed onto the surface before skin formation

Repair: Repair with Fix190 FWT (MSP190 Fast).

Description	Fast
COLOUR	Black, White
CURING SYSTEM	Moisture Cure
SPECIFIC GRAVITY	1.45 +/- 0.5 g/cm ³
HARDNESS SHORE A	45 + 5
ELONGATION AT BREAK	230% (ASTMD1002)
MAXIMUM DEFORMING	+20%
TENSILE STRENGTH	> 1.6 N/mm ² (ISO8839) >3,6 N/mm ² (ISO37)
SHEAR STRENGTH	>1,57N/mm ² (ASTM D 1002)
PEAL STRENGTH	6.65 N/mm (ASTM D3167)
GLASS TRANSITION TEMPERATURE T _g	2.57°C
SKIN TIME (23°C - 55% RH)	12-15 min,
CURE RATE (23 °C - 55% RH)	>3-4 mm. in 24h.
TEMP RESISTANCE	-40°C to + 100°C
PACKAGING	290mL cartridge 600mL sausage,
SHELF LIFE, stored at between +5°C & +23°C	Cartridge & Sausages : + 15 months

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