

FLEXIMETAL

DESCRIPTION:

FLEXI-METAL is an exceptional cold vulcanizing process for repair and rebuilding of flexible components. Easy to use with simple mixing ratio allowing only sufficient material to be used for each repair minimizing wastage. It can be used on surfaces including metals, concrete, wood and rubber. It forms a tough elastomeric repair with no shrinkage and when fully cured can be machined and sanded to aid finishing process. It has a Shore A Hardness of 60 plus, superb elastomeric properties with unbeatable tear strength.

APPLICATION:

FLEXI-METAL can be used for repairs and rebuilding of flexible components including convey or belts, hoses, and rubber rollers, rubber impellers, flexible ducting, rubber lined, chutes, hoppers and valves.

PROCEDURE:

All existing dirt, grease and oil to be removed. Wipe the surface with Diffusion Degreaser. Wherever bonding is not required treat with Diffusion masking agent/Masking tape. Cut fragmented/frayed areas. Edges of belts, hoses, tyres etc. to be undercut. Prime the repair area with FLEXIMETAL Primer using a soft bristled brush to give an even but low coating thickness.

APPLYING:

Applying mixed material evenly to the primed surface with a clean brush. Apply second coat soon after first coat has become TACK FREE.

Ambient Temperature	18°C	24°C	30°C
Full cure	48 hrs.	24 hrs.	12 hrs.
Pot life	30-40 min	20-30min	18-20 min

PROPERTIES:

Consistency	Liquid
Theoretical Coverage	1.25 kg per sqm (@1mm thickness)
Hardness(Shore A)	85
Tensile Strength	1275 p.s.i.
Elongation (%)	450
Tear Strength (lbs per liner inch)	240PLI
Liner Shrinkage	0.0005 in / in
Tear Strength (Split Tear)	72
Resilience	40
Abrasion Resistance (H-18 wheel 1000 cycles)	95 mg loss
Unit Size	0.500 Kg

Mixing Ratio	Base	:	Activator
By Weight	9	:	1

IMPORTANT:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. The user should confirm suitability of products for his particular purpose.