



## User's Guide/Specifications



The family of Devcon<sup>®</sup> Flexane<sup>®</sup> urethanes are designed for making molds, holding fixtures and abrasion resistant coatings.

Pourable Flexane<sup>®</sup> 80 Liquid and Flexane<sup>®</sup> 94 Liquid are ideal for making molds and holding fixtures. Flexane<sup>®</sup> Brushable is formulated for tough, durable, high performance abrasion resistance.

Products that can be applied quickly and easily by plant personnel.



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# Surface Preparation

Successful application is largely due to proper surface preparation.

Lack of adhesion to a substrate can cause the entire repair to chip, crack or" fall-out" under stress.

Surface conditions will vary from job to job, and the following guidelines will help in the preparation of most substrates.





## **Cleaning & Priming**

#### RUBBER

- 1. Remove all surface contamination (paint and grime) from surface by grinding with wire wheel or rubber rasp to obtain a good "profile".
- 3. Degrease with **Cleaner Blend 300 #19510** and an abrasive pad to remove oil and grease pulled up to the surface.
- 4. Wipe surface with a clean, white, lint-free cloth numerous times, until the black residue no longer transfers onto the cloth.

#### METAL

- 1. Degrease area with Devcon<sup>®</sup> Cleaner Blend 300 #19510 to remove oils and grease.
- Remove all surface contamination (paint, rust, and grime) from surface by abrasive blasting (25-40 grit or coarser) or sanding (60 grit or coarser).
- 3. Degrease again with Cleaner Blend 300 #19510.
  - 4. If immediate repair is not possible, coat surface with Devcon FL-10 Primer #15980 to prevent oxidation and flash rusting.

#### CONCRETE

 Degrease area with Devcon<sup>®</sup> Cleaner Blend 300 #19510 or any water based emulsifier cleaner and thoroughly rinse area. Multiple cleanings may be necessary. A power washer or steam cleaner is useful for this step. Let floor dry thoroughly before applying Primer and Flexane.

#### **DEGREASING NOTE:**

With surfaces immersed in oil, there is always the possibility that oil absorbed into the metal surface will cause an adhesion problem while  ${\sf Flexane}^{\otimes}$  is curing.

- 1. Repeated applications of Devcon<sup>®</sup> **Cleaner Blend 300 #19510** will help "pull-out" the oil from the surface. When cleaning a rubber surface, the use of an abrasion pad will help.
- 2. Also, heating the part with a heat gun, or by putting the part in an oven, will force the oil out of the pores.
- 3. Allow part to cool and clean again with **Clean Blend 300 #19510**. Repeat heating and cleaning until no oils are present.

## **SUBSTRATE PRIMING**

#### METAL SURFACES

Use 2 coats of Devcon's FL-10 Flexane® Primer #15980 on all metal substrates, including stainless steel and aluminum.

#### RUBBER SURFACES

Use Devcon's FL-20 Flexane<sup>®</sup> Primer #15985 to coat all gum rubbers, neoprene, or cured urethane. For ultimate/peel adhesion to rubber only use FL-40 Flexane<sup>®</sup> Primer #15984.

#### **IMMERSION SUBSTRATES**

All metals that will see immersion in aqueous solutions need to follow a two-step process . First apply **FL-10 Flexane® Primer #15980** and let dry for 60 minutes. Next coat with **FL-20 Flexane® Primer #15985** and let dry for 30 minutes before application of Flexane material.

#### **CONCRETE SURFACES**

Use Devcon's FL-20 Flexane<sup>®</sup> Primer #15985 to coat this substrate. Being very porous, concrete may need several coatings for proper adhesion. Let dry for 30 minutes between coats.

#### WOOD, FIBERGLASS

Use Devcon's FL-20 Flexane<sup>®</sup> Primer #15985 for all wood products, soft woods will need 2 coats because of their absorption characteristics.

NOTE: Applying 2 coats of FL-10 Flexane<sup>®</sup> Primer #15980 to metal substrates will improve adhesion. All other substrates, contact Devcon for the proper selection of Primer and application procedures.





## Mold Making & Fixturing

Depend on Devcon's Flexane<sup>®</sup> 80 Liquid and Flexane<sup>®</sup> 94 Liquid to make rigid, yet removable holding fixtures. Intricate, detailed parts can be replicated to the exact detail using Flexane<sup>®</sup>.

### First, follow the guidelines previously described for SURFACE PREPARATION.

- 1. Set the part to be replicated securely into the box. Modeling clay may be used to seal the edges (Figure 1).
- Make a box big enough to hold the fixture. If porous materials are used, seal to prevent sticking. Next, coat the entire box and fixture with Devcon's Release Agent #19600. Let dry for 10 minutes, coat again and let dry for 10 minutes (Figure 2).
- Brush apply a coat of Flexane<sup>®</sup> 80 Liquid #15800 over the surface to help- alleviate air bubbles in the curing process (Figure 3).
- Slightly tilting the fixture to allow air to escape and prevent "blow holes", pour in the Flexane<sup>®</sup> 80 Liquid #15800 (Figure 4).
- 5. To further ensure no "blow holes" in the final reproduction, wave a hot air gun over the top of the mold to help release air bubbles (Figure 5).
- 6. Demold time for Flexane<sup>®</sup> 80 Liquid #15800 is 10 hours and 5 hours for Flexane<sup>®</sup> 94 Liquid #15250 (Figure 6).

**NOTE:** For a softer fixture that helps demold the part easier, use **Flexane® 80 Liquid #15800** which provides a 87 Durometer on the Shore A scale. For a more rigid mold, 97 Durometer on the Shore A scale, use **Flexane® 94 Liquid #15250**.

To adjust the Durometer (hardness) of your fixture to a softer and more pliable rubber, use Devcon's Flex-Add<sup>™</sup> #15940. Add this to the curing agent before mixing. This will give you a a range of hardness from 46 to 87 Shore A to work with.





## **Conveyor Belt Repair**

The most common damage to a conveyor belt is a hole in the belt caused when the transported aggregate wedges itself into the wiper area.

### First, follow the guidelines previously described for SURFACE PREPARATION.

- 1. Grind belt area well for good adhesion, apply duct tape from underneath to prevent dripping. Abrade area again and remove all dust (Figure 1).
- 2. Apply FL-20 Flexane® Primer #15985 to the tear area approximately 4-8 inches out around the tear. Let dry for 30 minutes (Figure2).
- 3. Apply Flexane® 80 Putty #15820 on and around the tear area 4-8 inches (Figure 3).
- 4. "Feather" out the material for a smooth, not a bump, surface at least 1/8" thick for strength and flexibility (Figure 4).
- **NOTE:** Sometimes it is better to skive the belt down 1/32" around the hole as to make the repair level with the surface of the existing belt.

**NOTE:** Devcon's **Flexane® Repair Kit #15165** has all the necessary products for you to use for all conveyor belt repairs.





## Conveyor Belt Repair (cont.)

Another common repair is to the "clips" area where the belt is spliced together. Where fine aggregate gets in and wears out the "pins" of the joint, it is recommended that the clips be coated with Flexane<sup>®</sup>.

## First, follow the guidelines previously described for *SURFACE PREPARATION*.

- 1. Roughen "splice" area with coarse wire wheel 4-8 inches on each side (Figure 1).
- 2. Clean surface thoroughly (Figure2).
- 3. Apply FL-20 Flexane<sup>®</sup> Primer #15985 to the clips area approximately 4-8 inches out on each side. Let dry for 15-30 minutes. Apply a piece of duct tape over the clips and coat with petroleum jelly, or any wax material, to provide a release "bridge over" area to prevent Flexane from cracking when in use (Figure 3).
- 4. Apply Flexane<sup>®</sup> 80 Putty #15820 over the prepared area 4-8 inches out. "Feather" out the material for a smooth, not a bump, surface at least 1/8" thick for strength and flexibility. Functional cure in 12 hours. Adding heat to the surface will increase the cure speed of the repair. (Figure 4)

NOTE: For a functional cure within 2-3 hours use Devcon's Fast Cure Rubber Repair Putty #15049. Follow steps 1-3 and use our 400 ml Cartridge System on the splice.

NOTE: To accelerate Flexane® 80 Putty to get a 3 hour functional cure time, use Flexane® Accelerator #15990 with Flexane® 80 Putty.





## **Expansion Joints**

Due to its flexibility for both expansion and contraction, **Flexane® Fast Cure Liquid** is ideal to fill cracks in concrete expansion joints.

## First, follow the guidelines previously described for *SURFACE PREPARATION*.

- 1. Clean and remove loose particles and "chips", and degrease area (Figure 1).
- Check depth of the concrete slab, the expansion joint should be only 1/2 of that dimension. Prime only the sidewall of the joint with FL-20 Flexane<sup>®</sup> Primer #15985 applying 2 coats (Figure 2).
- 3. Insert a piece of foam backer rod at the halfway mark along the joint. Fine sand, filled exactly half way, can be substituted (Figure 3).
- 4. Use Devcon's Fast Cure Rubber Repair Liquid # 15050 with mix nozzle and inject the Flexane<sup>®</sup> into the joint. Functional cure is in 2-3 hours and forklift traffic may go over the joint at this time (Figure 4).
- NOTE: DO NOT OVERFILL. Leave slightly depressed from surface to avoid over-spill onto concrete slab.









## Lining Applications & Noise Reduction

Due to its outstanding quality of elasticity, Flexane<sup>®</sup> is used widely in applications requiring impact resistance such as feeder bowls in plants, chutes in cement, coal and mining plants, and cyclones.

## First, follow the guidelines previously described for *SURFACE PREPARATION*.

- 1. Be sure to abrade surface for good adhesion (Figures 1).
- Apply coating of FL-10 Flexane<sup>®</sup> Primer #15980 onto the metal substrate and let dry thoroughly. Follow with coating of FL-20 Flexane<sup>®</sup> Primer #15985 and let dry for 30 minutes (Figure 2).
- 3. Before applying the Flexane<sup>®</sup> material, be sure the substrate has a "butt joint". Leaving an open edge will create the possibility of the aggregate undercutting the material. Apply at least 1/16", or thicker, coat for best wear resistance (Figure 3).

NOTE: Applying multiple coats of  $Brushable\ Flexane^{\otimes}\ \#15350$  to the substrate will buildup the wearing ability of the coating.

Flexane<sup>®</sup> 80 Liquid #15800 or Flexane<sup>®</sup> 80 Putty #15820 can also be used as a lining and for noise reduction. Follow steps 1 and 2 before using these products.





## Rubber Roller Repair

Repair of rubber rolls in the paper industry, and rubber-lined condenser water boxes are excellent applications for Flexane<sup>®</sup>.

### First, follow the guidelines previously described for SURFACE PREPARATION.

- Machine the worn rubber COMPLETELY off the roll down to the metal core shaft or just undercut the rubber at least 1/8". Be sure to leave a distinct edge on both sides of the worn area (Figure 1).
- Apply FL-10 Flexane<sup>®</sup> Primer #15980 to the metal core of the roll, and then apply FL-20 Flexane<sup>®</sup> Primer #15985 over the FL-10 and the EDGES. Let dry. This is ESSENTIAL for proper adhesion (Figure 2).
- 3. Apply Flexane<sup>®</sup> as follows: While roll is turning slowly start to apply the Flexane<sup>®</sup>. Be sure to compress the urethane onto the metal shaft and into the EDGES of the rubber as smoothly as possible. Allow the shaft to rotate for a few hours to allow the Flexane<sup>®</sup> material set-up and cure, or you risk the chance of drop-off or sag if not kept in motion. (Figure 3).
- 4. Now smooth the surface using a No. 60 diamond grinding wheel or by machining with a carbide tip taking a small cut without generating a great amount of frictional heat (Figure 4).

NOTE: Use caution as the buildup of frictional heat will cause Flexane® to rip and tear, leaving a rough finish.



# **Typical Physical Properties**

|   | Mix ratio<br>(ratio %, resin, <sub>curi-</sub> | Viscostiy with Hardena | Specific Volume<br>(in ? / lb.) | Hardness, Shore, | Pot Life of 1 lb in | Demolding time : | Operating temp DRV | Operating temp Mr | Cure Shrinkage<br>(in. / in. Accage | Elongation<br>(% ASTM | Tensile Strength<br>(Psi ASTIA | Dielectric Strength<br>(ASTM D 11,00th | Coverage @ 174 | Functional Curson | Tear Aesistance | Abrasion Resiers | Bollan |
|---|--|------------------------|---------------------------------|------------------|---------------------|------------------|--------------------|-------------------|-------------------------------------|-----------------------|--------------------------------|--|----------------|-------------------|-----------------|------------------|--------|
| URETHANE REPAIR PRO                         | DUCTS  |                        |                                 |                  |                     |                  |                    |                   |                                     |                       |                                |  |                |                   |                 |                  |        |
| Flexane <sup>®</sup> 80 Putty               | 72:28  | Putty                  | 23.5                            | 87               | 20                  | 10               | 180                | 120               | 0.0014                              | 300                   | 1700                           | 350                                    | 94             | 12                | 300             | 280              |        |
| Flexane <sup>®</sup> 80 Liquid              | 77:23  | 10,000                 | 26.5                            | 87               | 30                  | 10               | 180                | 120               | 0.0018                              | 650                   | 2100                           | 350                                    | 106            | 16                | 350             | 285              |        |
| Flexane <sup>®</sup> 94 Liquid              | 69:31  | 6,000                  | 26.5                            | 97               | 10                  | 5                | 180                | 120               | 0.0014                              | 500                   | 2800                           | 350                                    | 106            | 16                | 415             | 330              |        |
| Flexane <sup>®</sup> Brushable              | 80:20  | 40,000                 | 26                              | 86               | 45                  | 16               | 180                | 126               | 0.23*                               | 600                   | 3500                           | 340                                    | 104            | 24                | 400             | 90               |        |
| Flexane <sup>®</sup> High Performance Putty | 94:6   | Putty                  | 23.5                            | 78               | 10                  | 10               | 180                | 120               | 0.12*                               | 600                   | 4500                           | 350                                    | 95             | 16                | 400             | 140              |        |
| Flexane <sup>®</sup> Fast Cure Putty        | 80:20  | Putty                  | 23.5                            | 88               | 8                   | NA               | 180                | 120               | 0.0014                              | 500                   | 2400                           | 350                                    | 94             | 3                 | 275             | 220              |        |
| Flexane <sup>®</sup> Fast Cure Liquid       | 80:20  | 5800                   | 26.5                            | 94               | 8                   | NA               | 180                | 120               | 0.0018                              | 450                   | 3300                           | 350                                    | 106            | 2                 | 430             | 330              |        |

\* Solvent Loss Shrinkage

# Chemical Resistance

| <b>KEY: E</b> = Excellent<br><b>V</b> = Very Good<br><b>F</b> = Fair<br>U = Unsatisfactory | Acetic (dilue) 10%<br>Acetic (dilue) 10%<br>Hydrochloric 10%<br>Mydrochloric 50%<br>Sulfurc 50%<br>Mitric 50%<br>Mitric 50%<br>Phosphoric 10%<br>Phosphoric 10% | Methanol<br>Isopropanol<br>Acetone<br>Methy ethyketone<br>Potassiu mydroxide 20%<br>Potassiu mydroxide 20%<br>Sodium hydroxide 20%<br>Sodium bydroxide 20%<br>Sodium bydroxide 20% | Benzene<br>Gasolme (unleaded)<br>Mineral, sprints<br>Mercosene<br>Toluen<br>Xifene | Carbon tetrachoride<br>Methylene chloride<br>Perchloride chloride<br>Perchloride chloride<br>1.1.1 tricholorithylene<br>1.1.1 tricholorethane<br>Sodium phosonate 10%<br>Trisodum phosonate 10%<br>Sodium phosonate 10%<br>Cutting oil<br>Cutting oil |
|--|---|--|--|---|
| URETHANE REPAIR PROD   | DUCTS   |  |  |   |
| Flexane <sup>®</sup> 80 Putty  | UUVVVVFFVF  | U U U U <b>V V V V</b>   | U U U U U U  | U U U U <b>V V V</b> U F  |
| Flexane <sup>®</sup> 80 Liquid   | U U <b>V V V F F V F</b>  | U U U U <b>V V V V</b>   | U U U U U U  | U U U U <b>V V V</b> U F  |
| Flexane <sup>®</sup> 94 Liquid   | U U <b>V V V F F V F</b>  | U U U U <b>V V V V</b>   | U U U U U U  | U U U U <b>V V V</b> U F  |
| Flexane <sup>®</sup> Brushable   | UUFFFFFFFF  | U U U U <b>V V V V</b>   | 0 0 0 0 0 0  | U U U U <b>V V V</b> U F  |
| Flexane <sup>®</sup> High Performance Putty  | UUFFFFFFFF  | U U U U <b>V V V V</b>   | U U U U U U  | U U U U <b>V V V U F</b>  |
| Flexane <sup>®</sup> Fast Cure Putty   | UUVVVVFFVF  | U U U U <b>V V V V</b>   | U U U U U U  | UUUU VVV UF   |
| Flexane <sup>®</sup> Fast Cure Liquid  | U U <b>V V V V F F V F</b>  | U U U U <b>V V V V</b>   | U U U U U U  | UUUU VVV UF   |

# Ordering Information

| PRODUCTS                                    | STOCK NO. | SIZE         |
|---|-----------|--------------|
| Flexane <sup>®</sup> 80 Putty               | 15820     | 1 lb.        |
|   | 15850     | 4 lb.        |
| Flexane <sup>®</sup> 80 Liquid              | 15800     | 1 lb.        |
|   | 15810     | 10 lb.       |
| Flexane <sup>®</sup> 94 Liquid              | 15250     | 1 lb.        |
|   | 15260     | 10 lb.       |
| Flexane <sup>®</sup> Brushable              | 15350     | 1 lb.        |
| Flexane <sup>®</sup> High Performance Putty | 15330     | 1 lb.        |
| Flexane <sup>®</sup> Repair Kit             | 15165     | Kit          |
| Flex-Add™                                   | 15940     | 8 oz.        |
| FL-10 Primer                                | 15980     | 4 oz.        |
| FL-20 Primer                                | 15985     | 4 oz.        |
| FL-40 Primer (Rubber)                       | 15984     | 4 oz.        |
| Flexane <sup>®</sup> Accelerator            | 15990     | 12 oz.       |
| Fast Cure Rubber Repair Putty               | 15049     | 400 ml cart. |
| Fast Cure Rubber Repair Liquid              | 15050     | 400 ml cart. |



|                                      |   | teel® D. | m Putty (A) | Putty (1) | DIDTIM EPONIC | ard <sup>TM</sup> Hink _ Utty | Repair p | le Ceramic | d, Combo Load | teel B AL | Steel® p | tter Repair | rair Putty | /             |     | D    |                        |           |                               |     |                  |           |  |                | R     | )      |              |        |          |        |            |    |
|--------------------------------------|---|----------|-------------|-----------|---------------|-------------------------------|----------|------------|---------------|-----------|----------|-------------|------------|---------------|-----|------|------------------------|-----------|-------------------------------|-----|------------------|-----------|--|----------------|-------|--------|--------------|--------|----------|--------|------------|----|
|                                      |   | lastic S | Ttan:       | lanic I   | Vear O        | erami                         | Ruch     | Vear Gu    | 1ac.          | tain.     | Inder    | MIST        |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| METAL/EQUIPMENT REPAIR               | ~ | ·/ ×     |             | / <       | (             | / 0                           | / 40     | 134        | /~            | / "       | $\vdash$ | /           |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| Acid Resistant Coating               | - |          |             |           |               |                               |          |            |               |           |          |             |            |               |     | _    |                        |           |                               | 4   |                  |           |  | ~              |       | 4      |              |        |          |        |            |    |
| Casting Repair                       |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     | 5    | 20                     | ρ         | P                             | ρ   | ct               | <b>^1</b> | • (                                    | -T             | 117   | ρ      |              |        |          |        |            |    |
| Chemical Resistant Coatings          |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      | uε                     | ,         | JC.                           |     |                  |           | . `                                    | JU             |       | IC I   |              |        |          |        |            |    |
| Chocking, Leveling Compound          |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| Coating (Impact, Abrasion)           |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| Condenser Tube Sheet Coating         |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        | /         |                               |     |                  | r         |  |                |       |        |              |        |          |        |            |    |
| Corrosion Resistant Coating          |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| Cyclones                             |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  | -              |       |        |              |        |          |        |            |    |
| Epoxy (Fast-Cure Repairs)            |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| Fans/Exhauster Fan Blades            |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           | . 1                                    |                |       |        |              |        |          |        |            |    |
| Holding Fixtures (Making Molds)      |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        | -        |        |            |    |
| Hopper (Rebuild and Coat)            |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           | 14-                           | 1   |                  |           |  |                |       | Ma     | aințe        | enan   | ce,      |        |            |    |
| Leaks (Drums, Pipes, Tanks)          |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      | 1                      |           | 1                             | 1   | 522              |           |  |                |       | Re     | pair         | Å.     |          |        |            |    |
| Lining Coal Chutes                   |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      | 1                      |           |                               | 1   | 1                |           |  | 10             |       | Ov     | erna         | aul    |          |        |            |    |
| Machinable Repair Material           |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     | ÷.   |                        | 2         | 11                            |     | ÷                |           |  |                |       |        |              |        |          |        |            |    |
| Meat & Poultry Plants                |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     | 1    | 1                      |           |                               |     | -1               | 150       |  |                |       |        |              |        |          |        |            |    |
| Pipe Elbow Coatings/Linings          |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      | 21                     |           |                               |     |                  | -         | 1                                      | 8 H.           |       |        |              |        |          |        |            |    |
| Pulverizers/Mills                    |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               | -   | 1                |           |  |                |       |        |              |        |          |        |            |    |
| Pump Repairs-Slurry                  |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  | 1              |       |        |              | 1.000  |          |        |            |    |
| Pump Repairs-Water                   |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               | 1   |                  |           |  |                |       | 6-     | -            | 117    | 1.1      |        |            |    |
| Rebuild Worn Threads, Keyways, Metal |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               | 0   |                  |           |  |                | X     | 3/     | 1            |        | 1/ .     |        |            |    |
| Repairing Engine Blocks              |   |          |             |           |               |                               |          |            |               |           |          |             |            | /             | /   | / /  | / ,                    | / /.      | ४ / ह                         | 3/  | -                | /         | -                                      | 6              |       |        | 21           | 41     |          |        |            |    |
| Shaft Repairs                        |   |          |             |           |               |                               |          |            |               |           |          |             | /          | <u>~</u> /    | '   |      | _ /                    | 10        | 15                            | 16  | / /              | /         |  | 1              | U2    | 10     | 7            | 4      |          |        |            |    |
| Tank Linings                         |   |          |             |           |               |                               |          |            |               |           |          |             |            | $\tilde{s}/$  | 1.  | /    | 1 men                  | 00        | 2/                            | Sea |                  |           |  |                | 10    |        | ι.,          |        |          |        |            |    |
| Tank Repairs (Hole)                  |   |          |             |           |               |                               | _        |            |               |           |          |             | 12         | /#            | 14  | 12   | 3rou                   | 29 m      | 2/2                           | \$  | /                |           |  |                |       |        | 1            |        |          | 6      |            |    |
| Valve Rebuild/Repairs                |   |          |             |           |               |                               |          |            |               |           |          | /           | oar        | tchi          | ter | art2 | 1                      | 0at       | 000                           | 19  | /                |           |  |                |       |        |              | 1      |          | 83     |            |    |
| Wet/Damp Surface Bonding             |   |          | _           |           |               |                               |          |            |               |           |          | 1           |            | å / 1         |     | 3/9  |                        | 5/0<br>\$ | / <u>\$</u> /                 | 10  |                  |           |  |                |       |        |              | 20     |          |        |            |    |
| FLOOR REPAIR                         |   |          |             |           |               |                               |          |            |               |           |          | a<br>a      | 2/2        | $\frac{1}{2}$ | 5/3 | 2°   | $\left  P_{0} \right $ | 100       | $\frac{\partial}{\partial t}$ | ē/  |                  |           | 1                                      |                |       | 4      |              |        |          |        |            |    |
| Acid Resistant Coating               |   |          |             |           |               |                               |          |            |               |           |          |             |            | (             |     | 1    |                        |           | Ń                             | ſ   |                  |           |  |                |       |        |              |        |          |        |            |    |
| Anchoring Bolts in Concrete          |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               | 1   |                  |           |  |                |       |        |              |        |          |        |            |    |
| Anti-Skid (Floors, Ramps, Docks)     |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     | _    |                        |           |                               | 1   |                  |           | - 8                                    |                |       |        |              |        |          | -      |            |    |
| Chemical Containment Coatings        |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               | -   |                  |           |  |                |       | 59E.   | _            |        | _        |        |            |    |
| Chocking Equipment                   |   |          |             |           |               |                               |          |            |               |           |          | _           |            |               |     |      |                        |           | -                             | 1   |                  |           |  |                |       |        |              |        |          |        |            |    |
| Coatings (Impact, Abrasion)          |   |          |             |           |               |                               |          |            |               |           |          |             | -          | _             |     | _    |                        |           | +                             | 1   |                  |           |  |                |       |        |              |        |          |        |            |    |
| Expansion Joints                     |   |          |             |           |               |                               |          |            |               |           |          | _           |            |               |     |      | _                      | _         | +                             | 1   |                  |           |  |                |       |        |              |        |          |        |            |    |
| Floors (Hole Filling & Patching)     |   |          |             |           |               |                               |          |            |               |           |          |             |            |               | -   | -    |                        |           | -                             | -   |                  | /         | /                                      | /              | /     | /      | /            | /      | /        | /      | / /@       | ./ |
| Leveling Equipment                   |   |          |             |           |               |                               |          |            |               |           |          |             | -          | _             |     |      |                        |           |                               | -   |                  | /         | 12                                     | ./             | 12    | . /    | /            | /_     | / .      | / /    |            | /  |
| Leveling Elgars                      |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        | _         | -                             | -   | /                | /     /   | Part                                   |                | [e    | / /    | / /          | 1 ×    | ' /      | _/     | ea/        |    |
| Meat & Poultry Plants                |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  | >/.       | 10                                     | 2              | 10    | aple / |              | [a]    | <u> </u> | ?/s    | \ <b>`</b> |    |
| Metal Coatings                       |   |          |             |           |               |                               |          |            |               |           |          |             |            | _             |     |      | -                      |           |                               | 1   | 1                | / 5       | /3                                     | 1/5            | /     | 10     | 1            | 1      | 15       | 15     |            |    |
| Warehouse Floor Coatings             |   |          |             |           |               |                               |          |            |               |           |          | -           |            |               |     | -    |                        |           |                               | ÷,  | / <mark>%</mark> | Ë,        | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ₽ <sup>®</sup> | 8     | 15     | / <b>°</b> / | 80     | 8        | Seal   |            |    |
| Wet/Damp Surface Coatings            |   |          |             |           |               |                               |          |            |               | _         |          |             |            |               |     | -    |                        |           |                               | +/  | ane              | ane       | ane                                    | ane            | ane   | 3      | ane          | ene la |          | 2/2    | 7/         |    |
|                                      |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  |                | Cat / |        | E la         | Flex 1 | Edge     | High I | /          |    |
| Casting Molds Bubber Parts           |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     | <u> </u>         |           | $\leftarrow$                           | -              | 1     |        |              |        |          | $\neg$ |            |    |
| Conveyor Belt Benair                 |   |          |             |           |               |                               |          |            |               | -/        | -        |             | -          | -             |     | -    |                        |           |                               |     |                  |           |  |                | 1     |        |              |        |          |        |            |    |
| Coatings (Chutes Honners)            |   |          |             |           |               |                               |          |            |               | ///       |          |             |            | _             |     | -    | -                      |           |                               |     |                  | _         |  |                |       |        |              |        |          |        |            |    |
| Coating (Impact Abrasion)            |   |          |             |           |               |                               |          |            | /             |           |          | -           |            |               | _   |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| Expansion/Control Jointe             |   |          |             |           |               |                               |          |            | 1             |           |          | -           | -          | -             | -   |      |                        |           |                               |     |                  |           |  |                | -     |        |              |        |          |        |            |    |
| Feeder Rowl Costing                  |   |          |             |           |               |                               |          |            |               | -         |          |             |            |               | -   |      |                        |           |                               |     |                  |           |  |                |       |        |              |        | -        |        |            |    |
| Caskate                              |   |          |             |           |               |                               |          |            |               | -         | -        | _           |            |               |     |      |                        |           |                               |     |                  |           | -                                      |                | -     | -      |              |        |          |        |            |    |
| Uashelis<br>Holding Eisturge         |   |          |             |           |               |                               |          |            |               |           | -        |             |            | -             |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |
| Motel Coetinge                       |   |          |             |           |               |                               |          |            |               |           |          |             |            | -             |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          | _      |            |    |
| Moldmoking                           |   |          |             |           |               |                               |          |            | -             |           |          | -           | -          |               |     |      |                        | _         |                               |     |                  |           |  |                |       | -      |              |        |          |        |            |    |
| Noice Deduction Costing              |   |          |             |           |               |                               |          |            | -             |           |          | -           | -          | _             | _   |      | -                      |           |                               |     |                  |           |  | -              |       | -      |              |        | -        |        |            |    |
| Noise Reduction Coating              |   |          |             |           |               |                               |          |            | -             | _         | _        |             |            | -             |     | -    | -                      | -         |                               |     |                  |           |  | -              |       |        |              |        |          |        |            |    |
| Putting Compounds                    |   |          |             |           |               |                               |          |            | -             | -         | -        | _           | -          |               | -   | _    | $ \rightarrow $        |           |                               |     | -                |           |  |                |       |        |              |        |          |        |            |    |
|                                      |   |          |             |           |               |                               |          |            | -             |           | _        |             | -          |               | -   | -    |                        |           | -                             |     |                  |           |  | <u> </u>       |       |        |              |        | _        | _      |            |    |
| Ro-igekoting Floetrigel Cable        |   |          |             |           |               |                               |          |            |               |           |          |             |            |               |     |      |                        |           |                               |     |                  |           |  |                |       |        |              |        |          |        |            |    |

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