

DuraPlate 100

Corrosion Resistant Liner

Installation Guide



THINK SAFETY 1st

- Practice ALL safety precautions
- Follow all OSHA & Manufacturers safety recommendations
- Wear protective gear



Step One



Prepare the Joints

Step 1 – Proper Storage



Use blocking to stage the joints OUT of the dirt



All materials and joints must be kept clean

Step 1 – Clean the Joints

Clean the bell
AND the spigot



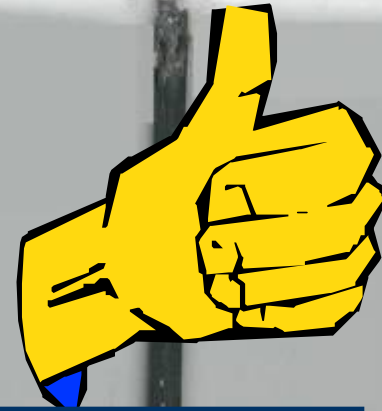
Remove all dirt
and debris

Step 1 – Inspect the Joints

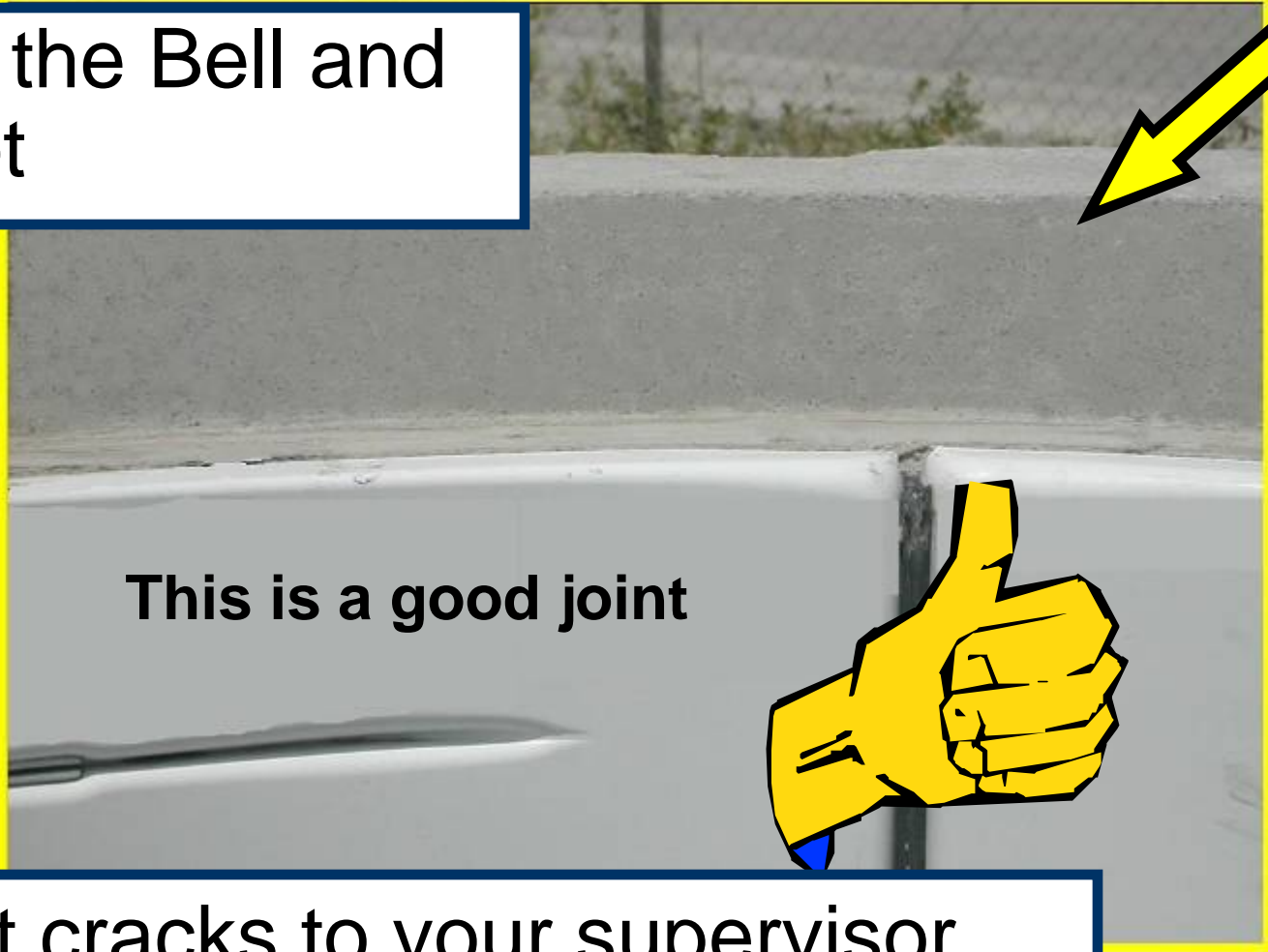
Inspect the Bell and Spigot



This is a good joint



Report cracks to your supervisor



Step 1 – Prime the Joints

Best results are obtained with
the use of our
GrandSlam Lubricant



Step Two



Install Joint Materials



Step 2 – Install Joint Materials

Two Seals are required

Gaskets to keep
the structure
watertight



Mastic to keep
back the
gasses



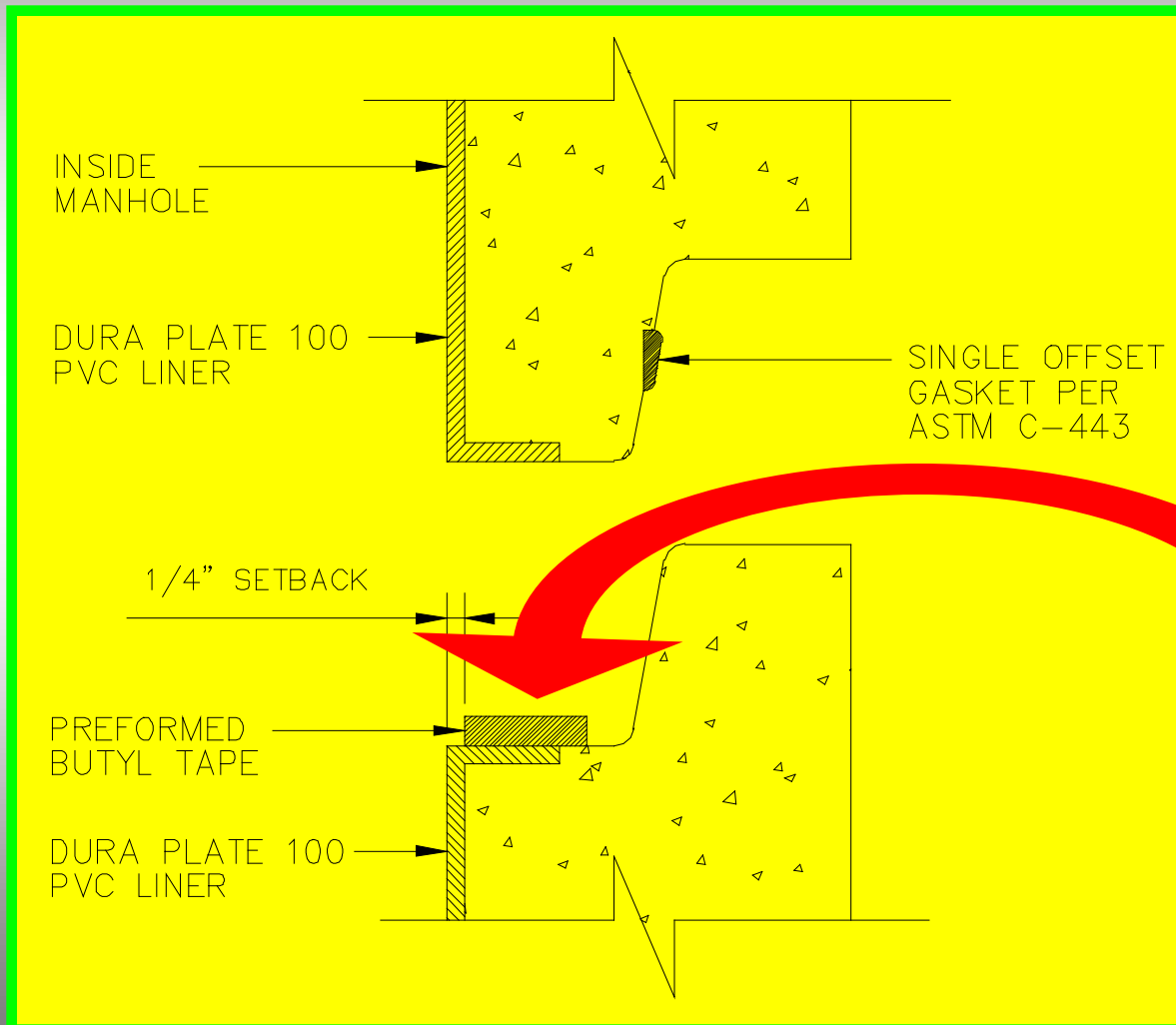
Step 2 – Apply Butyl to Shoulder



Apply **ONE LAYER** of approved butyl tape

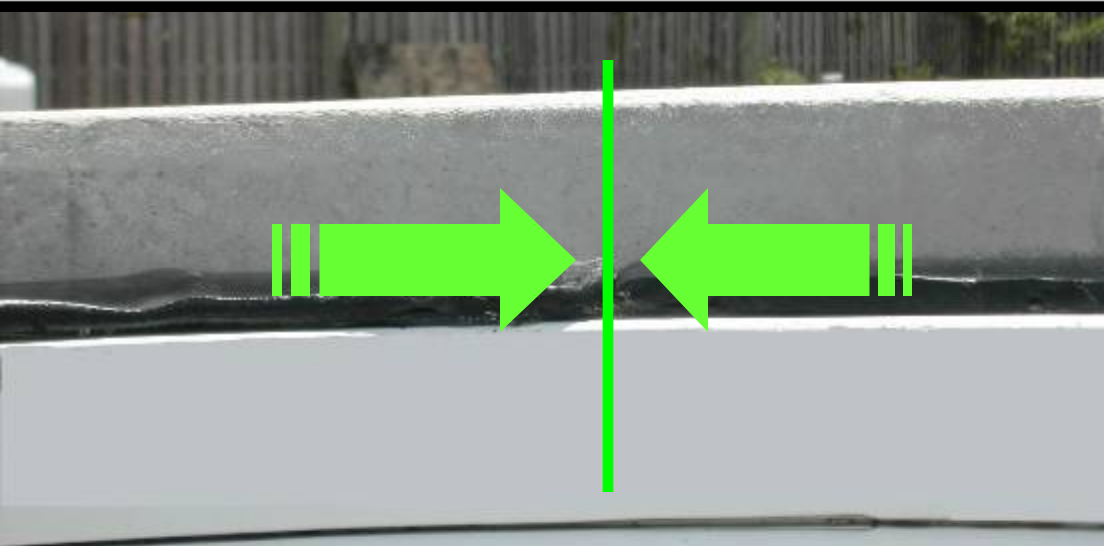


Step 2 – Apply Butyl to Shoulder



Place butyl tape on the **INSIDE** shoulder of the structure

Step 2 – Apply Butyl to Shoulder



Do **NOT** overlap
the end of the
butyl tape

Apply Gasket to
Spigot

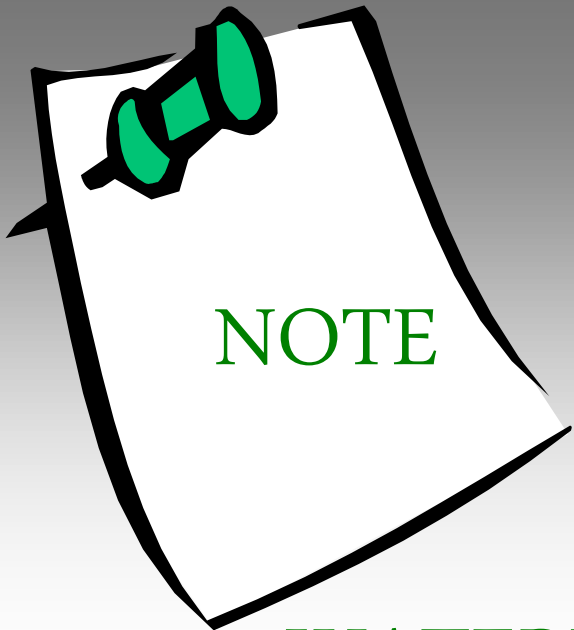


Step 2 - Install O-Ring



Step 2-Install Single Offset





**For more detailed
instructions on proper
installation of the
gaskets, please view:**

WATERTIGHT GASKET INSTALLATION GUIDE

Available from



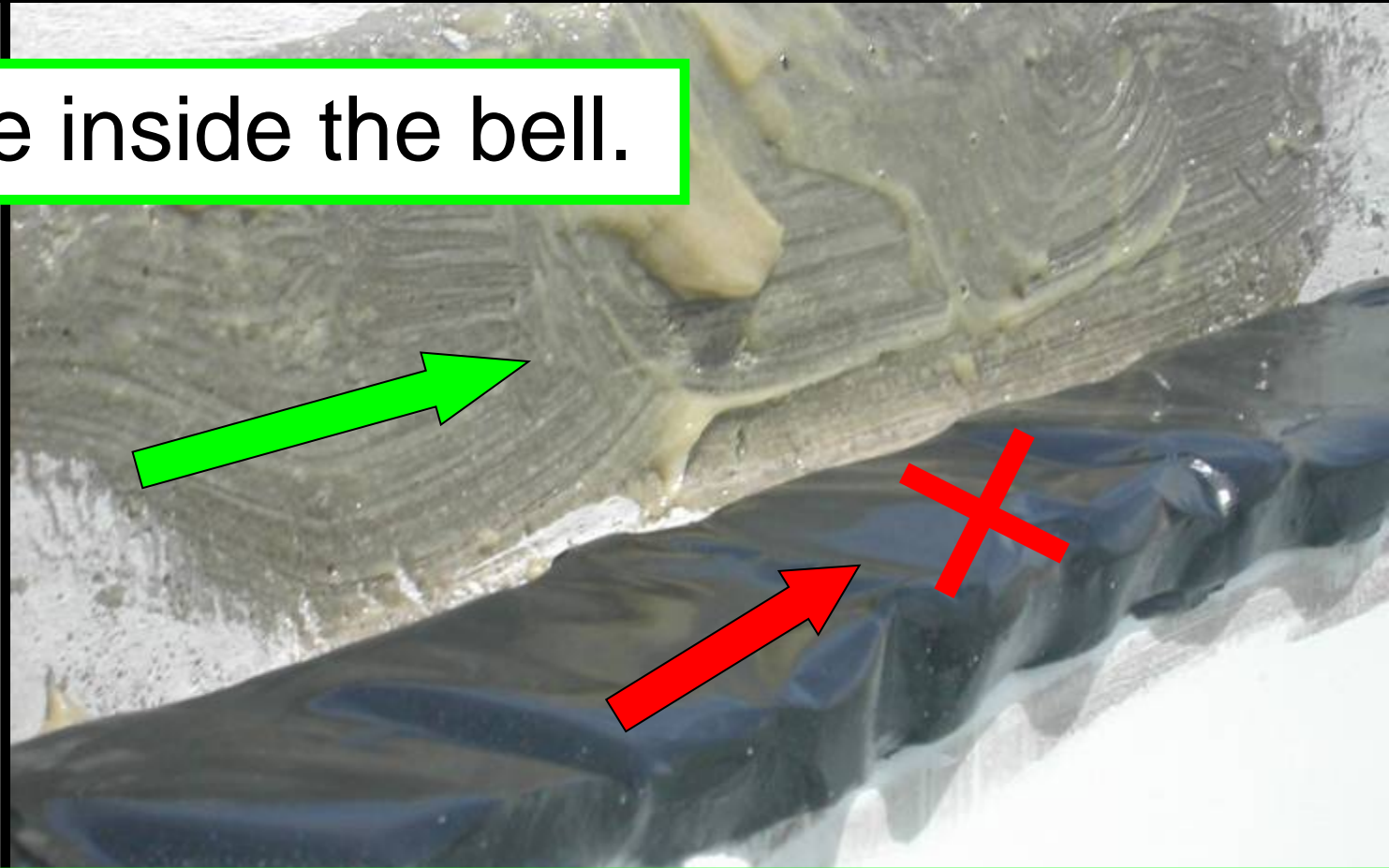
Step Three



Lubricate

Step 3 – Lubricate

Lube inside the bell.



Do NOT put lube on top of butyl tape.

Step 3 – Lubricate the Spigot

Insure the spigot has been lubed properly according to the type of the gasket.



Step Four



Set Section



Step 4 – Select Proper Equipment

Use A-LOK's certified
Key-LOK Lifting System



- Promotes Safety
- Prevents Damage to Structure
- Eases Installation

Step 4 – Lifting Apparatus

Use proper lift pins and bars available from A-LOK



Step 4 – Machinery

Use machinery capable of lifting the structure.



Call your Precaster for the weight of your structure.

Step 4 – Set Section

Keep the Structure
Level

Lower into
Position



Step 4 – Set Section

Squeeze out of the butyl tape should occur as the joints seat themselves



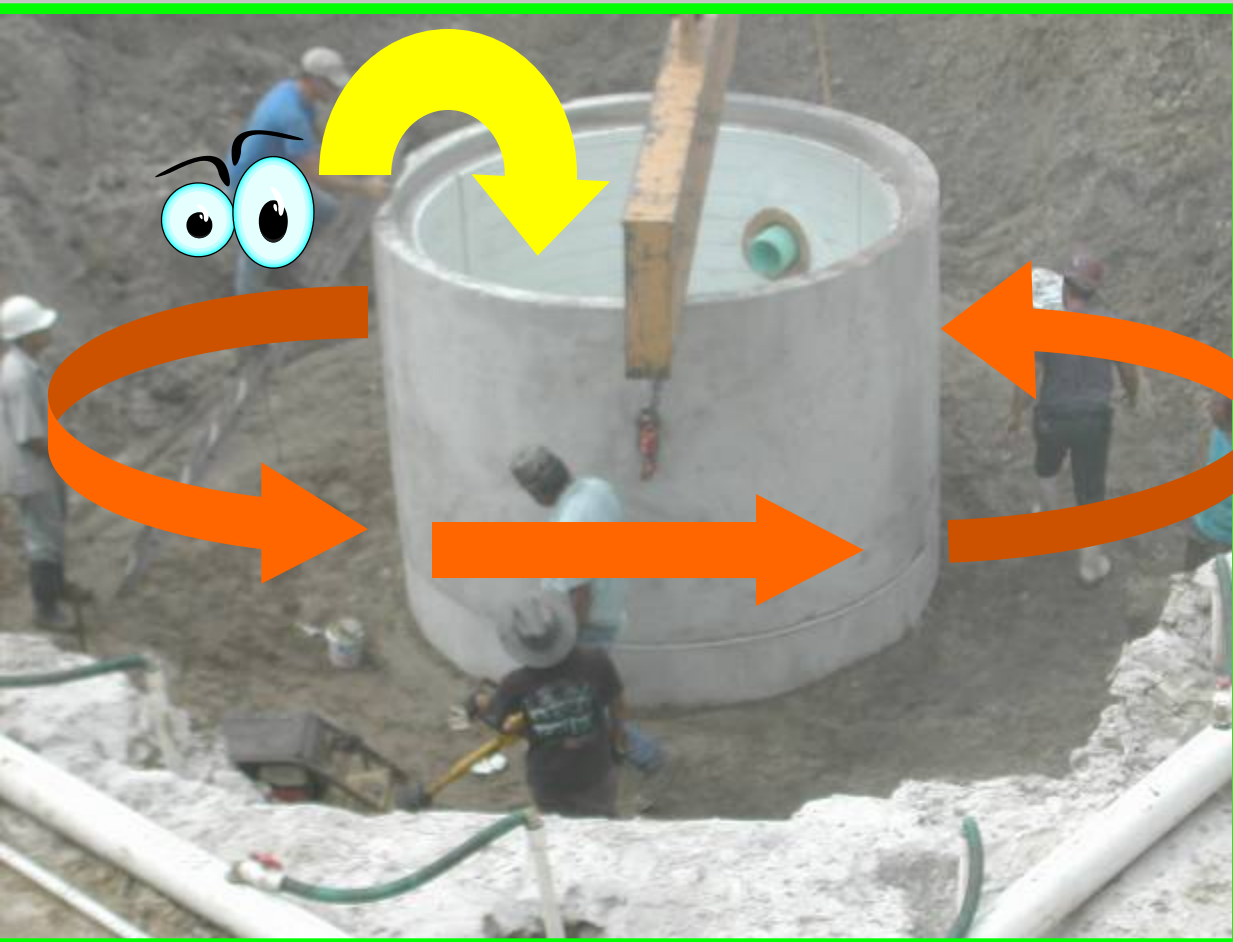
Step Five



Visual Inspection

Step 5 – Visual Inspections

Look inside and outside structure



Make sure the joints are seated evenly all around

Step 5 – Visual Inspections

Look inside and outside structure

If the joints are not even, raise the section and adjust



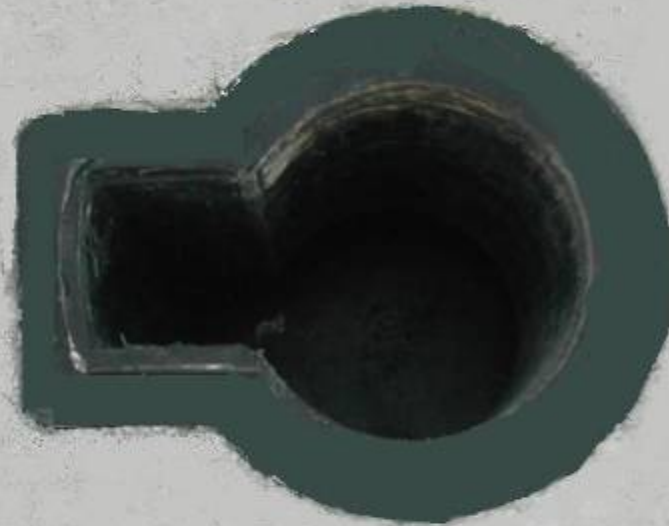
Use clean butyl

Step 5 – Visual Inspections

Look inside and outside structure



Plug lift holes
with suitable
non-shrink
grout



SUMMARY

- SAFETY 1st
- PREPARE THE JOINTS
- INSTALL JOINT MATERIALS
- LUBRICATE
- SET PRECAST – INSURE LEVEL
- INSPECT & PLUG LIFT HOLES





Questions?



Duraplate
Installation Guide

Troubleshooting

- Use Lube GENEROUSLY
- Keep Lift Hooks STRAIGHT



Contact you're A-LOK Sales Representative
for other products available to promote
watertight quality installations



THANK YOU



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